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TRANSPORTATION INTELLIGENCE STUDY OF

HIGHWAYS IN NORTH VIETNAM
(AF 13-61)

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INTRODUCTION

AP 13-61

TRANSPORTATION INTELLIGENCE STUDY OF HIGHWAYS IN NORTH VIETNAM

The information contained in this study is in answer to the requirements listed in SRI 44-10-61; and, in general, verifies, supplements, or corrects data published in Section 3, Chapter III, NIS 49, and various Transportation Corps Intelligence Documents.

Information is tabulated on TOTIA FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS; is referenced to AMS Maps, Series L509, Scale 1:250,000, by UTM Grid Coordinates, and to overlays to these maps by annotation numbers. Reproduced copies of the overlays are not to scale. The information is compiled as it pertains to the geographical area shown on each map sheet, and not necessarily by a complete NIS selected route number. Therefore, information relative to a particular NIS selected route number may be listed in the tables referenced to more than one map sheet.

The metric scale is used for recording distances, and Universal Transverse Mercator Grid Coordinates are used for listing map locations.

NIS selected routes are shown on the overlays in heavily shaded lines, and are designated by the selected route number. Non-selected routes are shown in lightly shaded lines. For the purpose of this study, where non-selected routes are considered to be of logistical significance, or as being suitable as alternate routes for selected routes, they have been assigned an arbitrary route number, prefixed by the letter "X".

Specific route characteristics that are tabulated, and annotated on the overlay, are bottlenecks and principal bridges. For the purpose of this study, principal bridges are those that exceed [redacted] in length; and bottleneck bridges are those that are less than [redacted] in width, and/or have any vertical clearance restriction.. Bottleneck bridges less than 6 meters in length are not tabulated, nor annotated on the overlays. Bottlenecks and major bridges are not tabulated, nor annotated on the overlays, on non-selected routes that would not have the capacity appreciably reduced by these characteristics. Weight limitation factors are not considered in determining bottleneck bridges. Bridges that are excluded from this study because measurements preclude listing them as bottlenecks could possibly be classified in that category if weight limitation factors are considered. Highway widths are listed as averages for a specified section of a route. Where the highway width varies to any extent, the variance is so listed, i.e., [redacted] Highway condition is listed as : POOR, POOR TO FAIR, FAIR, FAIR TO GOOD, and GOOD.

The date of information used in compiling this study is, in general, [redacted] however there are some exceptions. The date of information is listed on each page of the tabular section of the study

25X1D

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III	7 thru 10	4	NE 48-11	59D, 105B	X-30 thru X-31
IV	11 thru 20	5	NE 48-7	30B, 36A, 48B, 59C, 59D, 105B, 105C	X-1 thru X-6
V	21 thru 22	6	NE 48-6	48B	NONE
VI	23 thru 27	7	NE 48-3	72B, 105D, 105E	X-26 thru X-29
VII	28 thru 31	8	NE 48-2	48A, 48B	X-19
VIII	32 thru 34	9	NF 48-16	88D, 100E, 124F, 125I, 139J	NONE
IX	35 thru 47	10	NF 48-15	49E, 55F, 67G, 72B, 80C, 84D, 88D, 100B, 100C, 100E, 105E, 105F, 105G, 109H, 121H, 125F, 125G	X-57 thru X-60
X	48 thru 51	11	NF 48-14	41A, 100B	X-43 thru X-48
XI	52 thru 53	12	NF 48-13	NONE	NONE
XII	54 thru 61	13	NF 48-12	105I, 105J, 124F, 139J, 150G, 150H, 154G	X-63 thru X-66
XIII	62 thru 71	14	NF 48-11	55F, 67G, 75J, 75K, 87I, 87J, 95K, 100E, 105H, 105I, 120B, 120C, 121H, 124F, 130C, 136D, 136F	X-61 thru X-62
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XV	81 thru 83	16	NF 48-9	15B, 100A	X-32 thru X-36
XVI	84 thru 87	17	NF 48-8	105J, 105K	X-37 thru X-40
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INCLOSURE NO. 1B	Overlay to Base Map 29461 11-60, North Vietnam, Scale 1:750,000 (Selected routes)
INCLOSURE NO. 1	Base Map 29461 11-60, North Vietnam, Scale 1:750,000
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INCLOSURE NO. 3	Overlay to AMS Map Sheet NE 48-12 (DONG HOI)
INCLOSURE NO. 4	Overlay to AMS Map Sheet NE 48-11 (BAICN)
INCLOSURE NO. 5	Overlay to AMS Map Sheet NE 48-7 (VINH)
INCLOSURE NO. 6	Overlay to AMS Map Sheet NE 48-6 (KAM KEUT)
INCLOSURE NO. 7	Overlay to AMS Map Sheet NE 48-3 (THANH HOA)
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INCLOSURE NO. 9	Overlay to AMS Map Sheet NF 48-16 (HAIPHONG)
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INCLOSURE NO. 17	Overlay to AMS Map Sheet NF 48-8 (LUANG CHING)
INCLOSURE NO. 18	Overlay to AMS Map Sheet NF 48-7 (CAO BANG)
INCLOSURE NO. 19	Overlay to AMS Map Sheet NF 48-4 (LAO KAY)
INCLOSURE NO. 20	Overlay to AMS Map Sheet NF 48-5 (LAI CHAU)

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30B	16	IV	NE 48-7	[illegible]
36A	17	IV	NE 48-7	5
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120C	63	XIII	NF 48-11	[illegible]
121E	42, 68	IX, XIII	NF 48-15, NF 48-11	10, 14
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125G	41	IX	NF 48-15	10
125I	34	VIII	NF 48-16	9
130C	64, 75	XIII, XIV	NF 48-11, NF 48-10	14, 15
136D	65	XIII	NF 48-11	14
136F	69	XIII	NF 48-11	14
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SECTION I
AP 13-61

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS Map Sheet NE 48-16, Series L509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 2.

There are no NIS selected route numbers included in this section of the study.

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TOTIA FORM FOR USE IN MAINTENANCE OF TRANSPORTATION MAPS INTELLIGENCE DOCUMENTS

Country: NORTH VIETNAM | HIGHWAY DATA FOR REVISION OF NIS | Date of Data: 1 September 1961 | Date of Information: Early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS		MAJOR BRIDGES		Remarks
		ITEM	DESCRIPTION	LENGTH	DESCRIPTION	
(AMS SERIES L509 SHEET NE 48-16)						

There are no motorized vehicular routes in the geographical area of North Vietnam shown on this map sheet. There is a cart trail extending North and West for approximately 3 kilometers from XD 7870 to its termination at XD 7773; and a similar one from XD 7678 to XD 7680.

END OF REPORT ON ROUTES IN THE AREA SHOWN ON MAP SHEET NE 48-16

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SECTION II
AP 13-61

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS Map Sheet NE 48-12, Series 1509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 3.

NIS selected route numbers included in this section of the study are:

105A
105B

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TOTIA FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

Country: NORTH VIETNAM | Subject: HIGHWAY DATA FOR REVISION OF NIG | Date of Report: 1 September 1961 | Date of Information: Early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION	Remarks
ROUTE 105A (AMS SERIES L509 SHEET NE 48-12) YD 1981 (DEMARCATION LINE) TO XE 7331 DONG POI)						
This route averages 4.5 meters in width; is surfaced with light gravel, and is in fair condition. There are numerous bridges on this route with measurements that preclude them from being listed as bottlenecks, therefore they are not listed below nor annotated on the overlay. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
YD 1981	1			215 m.	Steel truss, 3 m. wide	Bridges SONG BEN HAI
YD 0597	2	Bridge	3 m. wide			
XE 9705	3	Bridge	[redacted] wide			
XE 7524	4	Ferry	570 m. crossing			3 ferryboats, each 4 car capacity
XE 7331	5	Bridge	[redacted] wide			
XE 7331	6	2 bridges	[redacted] wide			These bridges are each in the approximate center of a causeway, 112 m. long, that bridges the RAU NHAT LE
END OF REPORT ON ROUTE 105A						
ROUTE 105B (AMS SERIES L509 SHEET NE 48-12) XE 7331 (DONG POI) TO XE 5955						
This section of Route 105B averages [redacted] in width; is surfaced with gravel or crushed stone, and is in fair to good condition. There is some new construction and change of alinement from XE 7233 to XE 6937. There are numerous bridges on this route with measurements that preclude them from being listed as bottlenecks, therefore they are not listed below nor annotated on the overlay. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XE 6640	7	Bridge	3 m. wide			
XE 6541	8			50 m.	Concrete deck	
XE 6541	9			93 m.	Steel, half-thru truss	Abandoned RR bridge converted to highway use
XE 6250	10			143 m.	Concrete, 8 spans	7 spans [redacted]
XE 6152	11	Bridge	[redacted] wide			
XE 6054	12	Bridge	[redacted] wide			
END OF REPORT ON ROUTE 105B						

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25X1D

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TOTIA FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

Country: NORTH VIETNAM | HIGHWAY DATA FOR MAINTENANCE OF MAP | Date: 1 September 1961 | Date of Information: Early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION	Remarks
ROUTE X-20 (AMS SERIES L509 SHEET NE 48-12) YD 0483 TO XE 8303 (JUNCTION WITH ROUTE X-21)						
This route is undergoing construction of a type that indicates that it will be surfaced with gravel or crushed stone. It averages 5 meters in width. This route has one bottleneck, listed below; referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XD 8896	13	Ferry	80 m. crossing			Ferryboat, 15 x 4 m.
END OF REPORT ON ROUTE X-20						
ROUTE X-21 (AMS SERIES L509 SHEET NE 48-12) XE 9902(JUNCTION WITH ROUTE 105A) TO XE 7332 (DONG HOI)						
This route averages 4 meters in width; is lightly surfaced with gravel, and is in poor to fair condition. There are numerous bridges on this route with measurements that preclude them from being listed as bottlenecks, therefore they are not listed below nor annotated on the overlay. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XE 9603	14	Bridge	[redacted] wide			
XE 9502	15	Ferry	53 m. crossing			
XE 9303	16	Ferry	305 m. crossing			
XE 8801	17	Bridge	[redacted] wide			
XE 8502	18	Bridge	2 m. wide			
XE 8205	19	Ferry	58 m. crossing			
XE 7516	20	Ferry	430 m. crossing			2 ferryboats, 14 x 4 m.
XE 7222	21	Bridge	[redacted] wide			
XE 7126	22	Ferry	125 m. crossing			Abandoned RR bridge suitable only for pedestrian traffic
XE 7227	23	Bridge	[redacted] wide			
XE 7228	24	Bridge	[redacted] wide			
END OF REPORT ON ROUTE X-21						

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25X1D

25X1D

25X1D

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Country: NORTH VIETNAM	Subject: HIGHWAY DATA FOR REVISION OF NIS					Date of Report: 1 September 1961 Date of Information: Early 1961
Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS		MAJOR BRIDGES		REMARKS
		ITEM	DESCRIPTION	LENGTH	DESCRIPTION	

ROUTE X-22 (AMS SERIES L509 SHEET NE 48-12) XE 7222 (JUNCTION WITH ROUTE X-21) TO XE 6541 (JUNCTION WITH ROUTE 105B)

This route is under construction from XE 7222 to XE 6434. At XE 6434 it junctions with a road extending westward from DONG HOI to approximately XE 5834, thence looping eastward to a junction with Route 105B at XE 6541. The section of this route that is under construction is approximately 10 meters wide, and probably will be surfaced to a width of 8 meters. There is no information available as to the type of surface to be applied. The road extending westward from DONG HOI and looping back to Route 105B north of DONG HOI averages 6 meters in width; is surfaced with gravel, and is in good condition. The road extending eastward from XE 7223 to XE 7525 HUU HUEO) connects the new construction with Route 105A south of DONG HOI; is surfaced with gravel, and is in fair to good condition. There are no bottlenecks on these roads; the 5 bridges on the section under construction having no limiting factors. When the construction is completed, it will provide a high cambility bypass around DONG HOI.

END OF REPORT ON ROUTE X-22

END OF REPORT ON ROUTES IN THE AREA SHOWN ON MAP SHEET NE 48-12

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SECTION III
AP 13-61

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS Map Sheet NI 48-11, Series L509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 4.

NIS selected route numbers included in this section of the study are:

59C
105B

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Country: NORTH VIETNAM | Subject: HIGHWAY DATA FOR REVISION OF [illegible] | Date of Report: 1 September 1961 | Date of Information: Early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION	Remarks
ROUTE 105B (AMS SERIES L509) SHEET NE 48-11) XE 5955 TO XE 5691						
This section of Route 105B averages 5 meters in width; has a gravel surface, and is in good condition. Collateral information indicates that there are approximately 24 bridges on this section of the route, however, 11 of these have measurements that preclude listing as bottlenecks. There is no information available on the remaining ones. There are two ferries on this section of the route, listed below; referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XE 5758	1	Ferry	540 m. crossing			
XE 5377	2	Ferry	240 m. crossing			
END OF REPORT ON ROUTE 105B						
ROUTE 592 (AMS SERIES L509 SHEET NE 48-11) WE 8153 (LAOS BORDER) TO WE 8990						
This section of Route 592, from WE 8153 (LAOS Border) to WE 8263, has a surface of improved earth; averages 2.1 meters in width, and is in poor condition. From WE 8263 to WE 8990 it has a surface of improved earth, averages 3.6 meters in width, and is in poor to fair condition. This entire section of the route has numerous steep grades and sharp curves. Bottlenecks listed below are referenced to the AMS Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
WE 8153	3	Ford				
WE 8154	4	Ford				
WE 8154	5	Ford				
WE 8257	6	Ford				
WE 8258	7	Ford				
WE 8259	8	Ford				
WE 8366	9	Ford				
WE 8370	10	Bridge	No details			
WE 8370	11	Bridge	No details			
WE 8573	12	Ford				
WE 8573	13	Bridge	No details			
WE 8575	14	Bridge	3 m. wide			
WE 8575	15	Bridge	No details			
WE 8779	16	Ford				
WE 8685	17	Ford				
WE 8685	18	Ford				
WE 8989	19	Ford				
END OF REPORT ON ROUTE 592						

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Country: NORTH VIETNAM | HIGHWAY DATA FOR REVISION OF MIS | 1 September 1961 | Early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION		
ROUTE L-30 (AMS SERIES L509 SHEET NE 48-11) XE 3746 TO XE 5947							
There has been some recent construction of non-restrictive bridges, widening, and improvement in alinement on this route. From XE 3746 to XE 4449 it averages 2 meters in width; has a surface of improved natural earth, and is in poor to fair condition. From XE 4449 to XE 5947 it averages 3 meters in width; has a surface of crushed stone, and is in fair condition. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.							
XE 3947	20	Bridge	[redacted] wide				25X1D
XE 4248	21	Bridge	[redacted] wide				
XE 4449	22	Ferry	24 m. crossing				
XE 5149	23	Bridge	[redacted] wide				
XE 5149	24	Bridge	[redacted] wide				25X1D
XE 5549	25	Bridge	[redacted] wide				
XE 5848	26	Bridge	[redacted] wide				
XE 5848	27	Bridge	[redacted] wide				
END OF REPORT ON ROUTE L-30							
ROUTE L-31 (AMS SERIES L509 SHEET NE 48-11) XE 0880 TO XE 5463 (JUNCTION WITH ROUTE 105B)							
From XE 0880 to XE 2371, this route has been realined, utilizing the abandoned railroad roadbed. It averages 2.5 meters in width; has a surface of crushed stone, and is in fair to good condition. From XE 2371 to XE 5463 it averages 2.9 meters in width; has a surface of improved natural earth, and is in poor to fair condition. There is no detailed information on bridges or bottlenecks on the section from XE 5463 to XE 5463. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.							
XE 0660	28	Road ends					
XE 0878	29			43 m.	Concrete/steel deck	[redacted] wide	SPECIAL HANDLING REQUIR 25X1D
XE 0877	30	Bridge	[redacted] wide				NOT RELEASABLE TO FOREI
XE 1374	31			35 m.	Wood/steel	[redacted] wide	NATIONALS EXCEPT NONE 25X1D
XE 1572	32	Bridge	[redacted] wide				
XE 1671	33	Bridge	[redacted] wide				
XE 2071	34	Bridge	[redacted] wide				
XE 2171	35	Bridge	[redacted] wide				
XE 2471	36	Ferry	305 m. crossing				

(ROUTE L-31 CONTINUED ON NEXT PAGE)

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Country: NORTH VIETNAM | Subject: HIGHWAY DATA FOR REVISION OF NIS | Date of Report: 1 September 1961 | Date of Information: Early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION	Remarks
(ROUTE X-31 CONTINUED FROM PAGE 9)						
XE 2670	37	Ferry	.137 m. crossing			
XE 2670	38	Bridge	[redacted] wide			
XE 2870	39	Bridge	[redacted] wide			
XE 2969	40	Bridge	[redacted] wide			
XE 2969	41	Bridge	[redacted] wide			
XE 3068	42	Bridge	[redacted] wide			
XE 3168	43	Bridge	[redacted] wide			
XE 3368	44	Bridge	[redacted] wide			
XE 3567	45	Bridge	[redacted] wide			
XE 3567	46	Bridge	[redacted] wide			
XE 3667	47	Bridge	[redacted] wide			
XE 3767	48	Bridge	[redacted] wide			
XE 3866	49	Bridge	[redacted] wide			
XE 4265	50	Ferry	.56 m. crossing			Eliminates ford
XE 4564	51	Bridge	[redacted] wide			
XE 4764	52	Bridge	[redacted] wide			

END OF REPORT ON ROUTE X-31

END OF REPORT ON ROUTES IN THE AREA SHOWN ON MAP SHEET NE 48-11

25X1D

25X1D

SPECIAL HANDLING REQUIR
NOT RELEASABLE TO FOREI
NATIONALS EXCEPT NONE

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SECTION IV
AP 1?-/1

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS Map Sheet NE 48-7, Series L509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 5.

NIS selected route numbers included in this section of the study are:

30B
36A
48B
59C
59D
105B
105C

SPECIAL HANDLING REQUIRE
NOT RELEASABLE TO FOREIG
NATIONALS EXCEPT NONE

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TOTIA FORM FOR USE WITHIN [illegible] OF MULTIPLE COMMS INTELLIGENCE DOCUMENTS

Country: NORTH VIETNAM | [illegible] DATE OF DATA FOR REVISION OF SIS | Date of Report: 1 September 1961 | Date of Information: Early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	BRIDGE DETAILS LENGTH	BRIDGE DETAILS DESCRIPTION	Remarks
ROUTE 105B (AMS SERIES 1509 SHEET NE 48-7) XE 5691 TO XF 0428 (HA TINH)						
This section of Route 105B averages 5 meters in width; has a surface of crushed stone, and is in fair to good condition. There are numerous bridges on this route with measurements that preclude them from being listed as bottlenecks, therefore they are not listed below nor annotated on the overlay. There is no detailed information on this route from XE 5691 to XF 2910. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XF 2910	1	Bridge	3 m. wide			
XF 2711	2	Bridge	3 m. wide			
XF 2612	3			Unknown		Bridges TOI DANH
XF 1914	4	Bridge	[redacted] wide			
XF 1814	5			79 m.	Steel/concrete deck	3 m. wide; bridges SONG RAC
XF 1515	6	Bridge	[redacted] wide			
XF 1415	7	Bridge	[redacted] wide			
XF 1315	8	Bridge	[redacted] wide			
XF 1215	9	Bridge	[redacted] wide			
XF 1215	10	Bridge	[redacted] wide			
XF 0817	11			80 m., 8 spans	Concrete deck	Replaces ferry; ferry eliminated
XF 0519	12	Bridge	[redacted] wide			
XF 9726	13		[redacted]	66 m.	Concrete deck	5 m. wide

END OF REPORT ON ROUTE 105B

SPECIAL HANDLING REQUIR
NOT RELEASABLE TO FOREIG
NATIONALS EXCEPT NONE

25X1D

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TOTIA [illegible] FOR THE [illegible] ANNOTATION OVERLAY INTELLIGENCE DOCUMENTS

Country: NORTH VIETNAM | Subject: HIGHWAY DATA [illegible] | Date of report: 1 September 1961 | Date of information: Early 1961

Location	OVERLAY ANNOTATION NUMBER	SUPPLEMENTS: ITEM	SUPPLEMENTS: DESCRIPTION	TECHNICAL DATA: LENGTH	TECHNICAL DATA: MAIN SPAN	Remarks
ROUTE 105C (AMS SERIES L509 SHEET NE 48-7) WY 9428 (DA [illegible]) to WY 6984 (DA [illegible])						
Route 105C averages 5 meters in width; the surface is of crushed stone or gravel, and is in good condition. Some sections of this route north of VDH had previously been bituminous treated, however, the surface has become broken and has been repaired with gravel. There is no detailed information available on this route from WY 9428 to WY 8044. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
WY 7944	15	Bridge	3 m. wide			
WY 7845	16	Bridge	[redacted] wide			
WY 7746	17	Bridge	[redacted] wide			
WY 7648	18	Bridge	[redacted] wide			
WY 7548	19	Bridge	[redacted] wide			
WY 7549	20	Bridge	[redacted] wide			
WY 7549	21	Bridge	[redacted] wide			
WY 7451	22	Bridge	[redacted] wide			
WY 7353	23	Bridge	[redacted] wide			
WY 7355	24	Bridge	[redacted] wide			
WY 7356	25	Bridge	[redacted] wide			
WY 7357	26	Bridge	[redacted] wide			
WY 7559	27	Bridge	[redacted] wide			
WY 7559	28	Bridge	[redacted] wide			
WY 7562	29	Ferry	400 m. crossing			
WY 7364	30			37 m.	Concrete deck	
WY 6984	31			121 m.	Steel/concrete	Half-thru truss, 3 spans, [redacted] wide; on RR roadbed
WY 6488	32	Bridge	[redacted] wide			

END OF REPORT ON ROUTE 105C

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

25X1D

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TOTIA FORM FOR THE VALIDATION OF CONSTRUCTION CORPS INTELLIGENCE DOCUMENTS

Country: NORTH VIETNAM

Subject: HIGHWAY DATA FOR REVISION OF [illegible]

Date of Report: 1 September 1961
Date of Information: Early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	BRIDGE LENGTH	BRIDGE DESCRIPTION	Remarks
ROUTE 590 (AMS SERIES 1509 SHEET NZ 48-7) WZ 8990 TO WF 7210 (JUNCTION WITH ROUTE 309)						
This section of Route 590 averages 2.5 meters in width; the surface is of improved natural earth, and it is in poor condition. Bottlenecks listed below are referenced to the AMS map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
WZ 8990	33	Ford.				
WZ 8997	34	Ford.				
WZ 8798	35	Ford				
WZ 8797	36	Ferry	66 m. crossing			
WZ 8698	37	Bridge	[redacted] wide			
WZ 8698	38	Bridge	[redacted] wide			
WZ 8599	39	Bridge	[redacted] wide			
WY 8301	40	Bridge	[redacted] wide			
WY 8204	41	Bridge	[redacted] wide			
WY 7906	42	Bridge	3 m. wide			
WY 7806	43	Bridge	3 m. wide			
WY 7710	44	Ford				
WY 7710	45	Ferry	30 m. crossing			
WZ 7610	46	Bridge	3 m. wide			

END OF REPORT ON ROUTE 590

25X1D

SPECIAL HANDLING REQUIRED
NOT TO BE DISCLOSED TO FOREIGN
NATIONALS EXCEPT NONE

TOTIA FORM

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Country: NORTH VIETNAM | Subject: HIGHWAY DATA FOR REVISION OF MIS | Date of report: 1 September 1961 | Date of Information: Early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION	COMMENTS

ROUTE 59D (AMS SERIES L509 SHEET NE 48-7) WF 7219 (JUNCTION WITH ROUTE 305) TO WF 2791 JUNCTION WITH ROUTE 48B)

Route 59D, from WF 7219 to WF 6827, averages 4 meters in width; has a surface of improved natural earth, and is in fair condition. There is no facility for crossing the SONG NGAN SAN at WF 6827. From WF 6827 to WF 6140 is only a trail, and has foot bridges across streams. The parallel abandoned RR roadbed is used as a cart trail in some sections. From WF 6140 to WF 5947 it averages 3 meters in width; has a surface of improved natural earth, and is in fair condition. There is no facility for crossing the SONG LA GIANG at WF 5948. From WF 5948 to WF 2791 it averages 1.8 meters in width; has a surface of natural earth, and is in poor condition. It is unsuitable for motorized traffic for several kilometers in the section from WF 5564 to WF 4764. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

WF 6141	47	Ford					
WF 6043	48	Bridge	[redacted] wide				
WF 6044	49	Bridge	[redacted] wide				
WF 5945	50	Bridge	2 m. wide				
WF 5946	51	Bridge	[redacted] wide				
WF 6047	52	Bridge	2 m. wide				
WF 5561	53	Ford					
WF 4664	54			36 m.	Concrete deck	[redacted] wide; 4 spans	
WF 4265	55	Bridge	3 m. wide				
WF 3771	56			68 m.	Wood deck	[redacted] wide; 5 spans	
WF 3672	57	Bridge	[redacted] wide				
WF 3373	58	Bridge	[redacted] wide				
WF 3377	59	Ferry	70 m. crossing				
WF 3081	60	Ferry	130 m. crossing				

25X1D

25X1D

25X1D

END OF REPORT ON ROUTE 59D

SPECIAL HANDLING REQUIRE
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NATIONALS EXCEPT NONE

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TEMPLATE FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

Country: NORTH VIETNAM

Subject: HIGHWAY DATA FOR REVISION OF MIS

Date of Report: 1 September 1961
Date of Information: Early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION	Remarks
ROUTE 30B (AMS SERIES L509 SHEET NE 48-7) WT 7219 TO WT 9428 VIA TIEN)						
Route 30B averages 2.5 meters in width; is lightly surfaced with gravel, and is in poor to fair condition. There is no detailed information available on this route from WT 8247 to WT 9228. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
WT 7219	61	Ferry	50 m. crossing			
WT 7222	62	Bridge	3 m. wide			
WT 7424	63	Bridge	[redacted] wide			
WT 7625	64	Bridge	[redacted] wide			
WT 7725	65	Bridge	[redacted] wide			
WT 9328	66			35 m.	Masonry deck	3 m. wide

END OF REPORT ON ROUTE 30B

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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Country: NORTH VIETNAM | Subject: HIGHWAY DATA FOR REVISION OF MIS | Date of report: 1 September 1961 | Date of Information: Early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION	Remarks
ROUTE 36A (AMS SERIES L509 SHEET NE 48-7) WF 1733 (LAOS BORDER) TO WF 8043 (JUNCTION WITH ROUTE 1059)						
Route 36A, from WF 1733 (LAOS Border) to WF 2739, averages 3 meters in width; has a surface of improved natural earth, and is in fair condition. It has numerous sharp curves and steep grades. From WF 2739 to WF 6746 it averages 4 meters in width; has a gravel surface, and is in fair condition. From WF 6746 to WF 8043 it averages 2.5 meters in width; has a surface of partially improved natural earth, and is poor condition, unsuitable for motorized traffic except in dry weather. There is no detailed information available on this route from WF 7242 to WF 8144. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
WF 2438	67			39 m.	Concrete deck	
WF 2638	68			50 m.	Wood deck	[redacted] wide
WF 2840	69	Bridge	[redacted] wide			
WF 2940	70	Bridge	[redacted] wide			
WF 3140	71	Ford				
WF 3543	72	Bridge	[redacted] wide			
WF 3645	73	Ferry	40 m. crossing			
WF 3646	74	Bridge	[redacted] wide			
WF 3746	75	Bridge	3 m. wide			
WF 3946	76	Bridge	2 m. wide			
WF 4547	77	Bridge	[redacted] wide			
WF 4848	78	Bridge	[redacted] wide			
WF 5147	79	Barge				Used as temporary bridge, 25 m. long
WF 5440	80	Bridge	No details			Under construction
WF 5650	81	Bridge	[redacted] wide			
WF 5750	82	Bridge	[redacted] wide			
WF 5948	83	Ferry	300 m. crossing			
WF 5949	84	Bridge	3 m. wide			
WF 6347	85	Bridge	3 m. wide			
WF 6447	86	Bridge	[redacted] wide			
WF 6845	87	Bridge	[redacted] wide			
WF 7242	88	Bridge	[redacted] wide			

END OF REPORT ON ROUTE 36A

25X1D

25X1D

25X1D

25X1D

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SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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TOTIA FORM FOR THE MAINTENANCE OF TRANSPORTATION & AMS INTELLIGENCE DOCUMENTS

NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF NIS — 1 September 1961 / Early 1961

LOCATION	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION	
ROUTE 48B (AMS SERIES L509 SHEET NE 48-7) WP 0099 TO WP 6399 (JUNCTION WITH ROUTE 1052 AND 1050)						
This section of Route 48B averages 4 meters in width. From WP 0099 to WP 3390 the surface is of improved natural earth; it has numerous sharp curves and steep grades, and is in poor condition. From WP 3390 to WP 6399 the surface is of gravel, and it is in poor to fair condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
WP 0695	89	Bridge	[redacted] wide			
WP 1492	90	Bridge	[redacted] wide			
WP 2293	91	Bridge	[redacted] wide			
WP 2280	92			63 m.	Concrete deck	[redacted] wide; 3 spans
WP 3290	93	Ferry	320 m. crossing			
WP 5997	94			35 m.	Wood deck	3 m. wide

END OF REPORT ON ROUTE 48B

25X1D

25X1D

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NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF MIS — 1 September 1961 / Early 1961

OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	DESCRIPTION	LENGTH	FILL & BRIDGES DESCRIPTION

ROUTE X-1 (AMS SERIES L509 SHEET NE 48-7) WF 6746 TO WF 7549 (JUNCTION WITH ROUTE 105D)

This route is probably used to bypass the eastern section of Route 36A. It extends NNE from Route 36A at WF 6746, for approximately 4 kilometers, to WF 6849. At WF 6849 it extends eastward to a junction with Route 105D at WF 7549. It averages 3.5 meters in width; has a surface of improved natural earth, and is in fair condition. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

WF 6848	95	Bridge	[redacted] wide
WF 7149	96	Ferry	45 m. crossing

25X1D

END OF REPORT ON ROUTE X-1

ROUTE X-2 (AMS SERIES L509 SHEET NE 48-7) WF 7055 TO WF 5368

This route extends NW from WF 7055 to a junction with Route X-4 at WF 5368. It generally parallels the north bank of the SONG CA. It averages 3 meters in width; has a surface of improved natural earth, and is in fair condition. There are no bottlenecks that would reduce the cambility of this route to an extent greater than the basic roadway characteristics.

END OF REPORT ON ROUTE X-2

ROUTE X-3 (AMS SERIES L509 SHEET NE 48-7) WF 5268 TO WF 3390 (JUNCTION WITH ROUTE 48B)

This route extends NW from its junction with Route X-4 at WF 5268 to its junction with Route 48B at WF 3390. It generally parallels the north bank of the SONG CA. It averages 3.5 meters in width; has a surface of improved natural earth; and is in fair to good condition. There is one major bridge, listed below; referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

WF 4769	97		41 m.	Pontoon Bridge [redacted]

25X1D

SPECIAL HANDLING REQUIRED NOT RELEASABLE TO FOREIGN NATIONALS EXCEPT NONE

END OF REPORT ON ROUTE X-3

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NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF MIS — 1 September 1961 / Early 1961

OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	BOTTLENECKS LENGTH	MAJOR BRIDGES DESCRIPTION
ROUTE X-4 (AMS SERIES 1509 SHEET NE 48-7) WF 7144 (VINH) TO WF 3390 (JUNCTION WITH ROUTE 488)				
This route averages 3 meters in width; has a surface of improved natural earth, and is in fair to good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.				
WF 3983	98	Bridge	[redacted] wide	
WF 4478	99	Ford		
WF 5368	100		46 m.	Concrete deck
WF 5967	101	Bridge	wide	
WF 5966	102	Bridge	wide	
WF 6465	103		34 m.	Masonry deck
WF 6565	104	Bridge	wide	
WF 6665	105	Bridge	wide	
WF 6765	106	Bridge	wide	
WF 6864	107	Bridge	wide	

END OF REPORT ON ROUTE X-4

ROUTE X-5 (AMS SERIES 1509 SHEET NE 48-7) WF 7364 TO WF 7873

This route extends NE from VINH to the coast. It averages 2.8 meters in width; has a surface of improved natural earth, and is in fair to good condition. There are no bottlenecks on this route that would reduce the capability to an extent greater than the basic roadway characteristics.

END OF REPORT ON ROUTE X-5

ROUTE X-6 (AMS SERIES 1509 SHEET NE 48-7) WF 7169 TO WF 7681

This route extends NE from its junction with Route 1[illegible] at WF 7144 to the coast. It averages 2.8 meters in width; has a surface of improved natural earth, and is in fair to good condition. There are no bottlenecks on this route that would reduce the capability to an extent greater than the basic roadway characteristics.

END OF REPORT ON ROUTE X-6

END OF REPORT ON ROUTES IN THE AREA [illegible] SHEET NE 48-7

NATIONALS EXCEPT NORE

SECRET NOFORN

25X1D

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Approved For Release 2001/08/27 : CIA-RDP78T05439A000300300026-1

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SECTION V
AP 13-61

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS Map Sheet NE 48-6, Series L509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 6.

NIS selected route numbers included in this section of the study are:

NOT REPRODUCIBLE TO FOREIGN NATIONALS EXCEPT NONE

SECRET NOFORN

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COUNTRY NORTH VIETNAM

HIGHWAY DATA FOR REVISION OF DIG

1 September 1961
Early 1962

OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION

ROUTE 48B (AMS SERIES L509 SHEET NE 48-6) VF 9998 TO VG 9801

This section of Route 48B averages 3.7 meters in width; has a surface of improved natural earth, and is in poor to fair condition. It has numerous steep grades and sharp curves. There are no bottlenecks or major bridges on this route.

END OF REPORT ON ROUTE 48B

END OF REPORT ON ROUTES IN THE AREA SHOWN ON MAP SHEET NE 48-6

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

SECRET NOFORN

Approved For Release 2001/08/27 : CIA-RDP78T05439A000300300026-1

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SECTION VI
AP 13-61

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS Map Sheet NE 48-3, Series 1509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 7.

NIS selected route numbers included in this section of the study area:

221
105D
105E

NOT REQUIRED TO FOREIGN NATIONALS EXCEPT NONE

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NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF [illegible]

1 September 1961
Early 1961

OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	BOTTLENECKS LENGTH	MAJOR BRIDGES DESCRIPTION	MAJOR BRIDGES
ROUTE 105D (AMS SERIES 1500 SHEET NE 48-3) YG 6201 TO YG 8290 (TRANH HOA)					
This route averages 5.5 meters in width; has a bituminous treated surface, and is in good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.					
YG 6202	1		120 m.	concrete	3 m. wide
YG 6210	2	Bridge	3 m. wide		
YG 6212	3		43 m.		3 m. wide
YG 6616	4		33 m.		4 m. wide
YG 7327	5	Bridge	3 m. wide		
YG 7427	6		81 m.	Steel, concrete piers	
YG 7637	7		33 m.	Concrete	4 m. wide
YG 7640	8		49 m.	Under construction	
YG 7640	9		61 m.	Wood	3 m. wide
YG 7742	10		49 m.	Under construction	
YG 7742	11		33 m.	Wood	3 m. wide
YG 7844	12	Bridge	3 m. wide		
YG 7945	13	Bridge	3 m. wide		
YG 7946	14		36 m.		3 m. wide
YG 7947	15		40 m.	Wood	3 m. wide
YG 8149	16	Bridge	3 m. wide		
YG 8250	17	Bridge	3 m. wide		
YG 8354	18	Bridge	3 m. wide		
YG 8367	19	Ferry	180 m. crossing		
YG 8285	20	Bridge	3 m. wide		
YG 8287	21	Bridge	3 m. wide		

END OF REPORT ON ROUTE 105D

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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TOTIA PLAN FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

1 September 1961
Early 1961

NORTH VIETNAM

HIGHWAY DATA FOR REVISION OF MIS

	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION	
ROUTE 105E (AMS SERIES 1509 SHEET NE 48-3) WG 8290 (THANH HOA) TO XH 8811						
This section of Route 105E averages 5.5 meters in width; has a bituminous treated surface, and is in good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
WG 8494	22	Ferry	180 m. crossing			
WG 8494	23				Under construction	
WG 8495	24			[redacted]	Steel; 2 spans	
WG 8497	25	Bridge	3 m. wide			
WE 8500	26	Bridge	3 m. wide			
WE 8502	27	Bridge	3 m. wide			
WE 8809	28			140 m.	Steel; 3 spans	Combination RR/ Highway bridge

END OF REPORT ON ROUTE 105E

ROUTE 72B (AMS SERIES 1509 SHEET NE 48-3) WE 7211 TO WG 8290 (THANH HOA)

This section of Route 72B averages 4.5 meters in width; has a bituminous treated surface, and is in fair to good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

WE 6906	29			35 m.	3 m. wide
WE 7203	30	Bridge	3 m. wide		
WG 7998	31	Ferry	175 m. crossing		
WG 8292	32	Bridge	3 m. wide		

END OF REPORT ON ROUTE 72B

SPECIAL HANDLING REQ
NOT RELEASABLE TO F
NATIONALS EXCEPT NO

25X1D

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TOTIA FORM FOR THE MAINTENANCE OF CHARTCRACTION CHAPS INTELLIGENCE DOCUMENTS

NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF NIS — 1 September 1961, Early 1961

OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	DESCRIPTION	MAJOR BRIDGES LENGTH	DESCRIPTION

ROUTE X-26 (AMS SERIES L509 SHEET NE 48-3) WG 0069 TO WG 6210

From WG 0069 to WG 3139 this route averages 4 meters ; is lightly surfaced with gravel, and is fair condition. From WG 3139 to WG 6210 it averages 5 meters in width; is lightly surfaced with gravel, and is in good condition. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

WG 0267	33	Ferry	60 m. crossing
WG 0864	34	Bridge	3 m. wide
WG 1063	35	Ferry	45 m. crossing
WG 2356	36	Bridge	3 m. wide
WG 3140	37	Ferry	45 m. crossing
WG 4537	38	Ferry	80 m. crossing
WG 4836	39	Bridge	3 m. wide
WG 5528	40	Bridge	3 m. wide
WG 5625	41	Bridge	3 m. wide

END OF REPORT ON ROUTE X-26

ROUTE X-27 (AMS SERIES L509 SHEET NE 48-3) WG 4537 TO WF 4212

This route averages 4.5 meters in width; is lightly surfaced with gravel, and is in fair to good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

WG 4484	42	Bridge	3 m. wide		
WE 4301	43			44 m.	3 m. wide
WE 4303	44	Ferry	120 m. crossing		
WE 4207	45	Bridge	3 m. wide		

END OF REPORT ON ROUTE X-27

SPECIAL HANDLING REQUIRED
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NATIONALS EXCEPT NONE

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TOTIA FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

1 September 1961
Early 1961

NORTH VIETNAM

HIGHWAY DATA FOR REVISION OF NIS

	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION
ROUTE X-28 (AMS SERIES L509 SHEET NE 48-3) WG 8290 (THANH HOA) TO WG 9482					
This route averages 5 meters in width; has a bituminous treated surface, and is in good condition. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.					
WG 8289	46	Bridge		3 m. wide	
WG 8983	47	Bridge		3 m. wide	
WG 9283	48	Bridge		3 m. wide	

END OF REPORT ON ROUTE X-28

ROUTE X-29 (AMS SERIES L509 SHEET NE 48-3) WH 4300 TO WG 8291 (THANH HOA)

This route averages 4.5 meters in width; has a bituminous treated surface, and is in fair condition. There have been some recent improvements in the alinement, and fords have been replaced by bridges. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

WH 4402	49	Bridge	3 m. wide
WH 6301	50	Bridge	3 m. wide
WG 6799	51	Bridge	3 m. wide
WG 7395	52	Bridge	3 m. wide
WG 7891	53	Bridge	3 m. wide

END OF REPORT ON ROUTE X-29

END OF REPORT ON ROUTES IN THE AREA SHOWN ON MAP SHEET NE 48-3

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SECTION VII
AP 13 -61

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS Map Sheet NE 48-2, Series L509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 8.

NIS selected route numbers included in this section of the study are:

4B1
4B2

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NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF DIS — 1 September 1961 / Early 1961

OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION

ROUTE 48A (AMS SERIES L500 SHEET NE 48-2) YG 0454 TO YG 4032 (QUA RAO)

Route 48A averages 2.5 meters in width; has a surface of improved natural earth, and is in fair condition. It has numerous steep grades and sharp curves. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

YG 1046	1	Ford		
YG 1046	2	Ferry	46 m. crossing	
YG 1344	3	Bridge	3 m. wide	
YG 1743	4	Bridge	3 m. wide	
YG 1941	5	Bridge	3 m. wide	
YG 2041	6	Bridge	3 m. wide	
YG 2139	7	Bridge	3 m. wide	
YG 2339	8	Bridge	3 m. wide	
YG 2439	9	Ford	25 m. crossing	
YG 2737	10	Ford	30 m. crossing	
YG 2936	11	Bridge	3 m. wide	
YG 3033	12	Bridge	3 m. wide	
YG 3251	13	Ford	35 m. crossing	
YG 3531	14	Bridge	3 m. wide	
YG 3728	15		49 m.	3 m. wide
YG 4032	16	Bridge	3 m. wide	

END OF REPORT ON ROUTE 48A

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Country: NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF BIS — 1 September 1961, Early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION
ROUTE 48B (AMS SERIES 1509 SHEET NE 48-2) VG 4032 (CUA HAO) TO VG 9800					
This section of Route 48B averages 4 meters in width; has a surface of improved natural earth, and is in fair condition. It has numerous sharp curves and steep grades. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.					
VG 4230	17	Bridge	3 m. wide		
VG 4329	18	Bridge	3 m. wide		
VG 4729	19	Bridge	3 m. wide		
VG 4728	20	Bridge	3 m. wide		
VG 4827	21	Bridge	3 m. wide		
VG 4927	22	Bridge	3 m. wide		
VG 5125	23			31 m.	Concrete 3 m. wide
VG 5324	24	Bridge	3 m. wide		
VG 5622	25	Ford	8 m. crossing		
VG 5621	26	Ford	8 m. crossing		
VG 5920	27	Ford	8 m. crossing		
VG 6319	28	Bridge	3 m. wide		
VG 7215	29	Bridge	3 m. wide		
VG 7315	30	Bridge	3 m. wide		
VG 7415	31	Bridge	3 m. wide		
VG 7414	32	Bridge	3 m. wide		
VG 7513	33	Bridge	3 m. wide		
VG 7513	34	Ford			
VG 7713	35	Ford	45 m. crossing		
VG 8009	36	Bridge	3 m. wide		
VG 8208	37	Bridge	3 m. wide		
VG 8508	38	Bridge	3 m. wide		
VG 8607	39	Ford			
VG 8906	40	Bridge	3 m. wide		
VG 9205	41	Ford	27 m. crossing		

END OF REPORT ON ROUTE 48B

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TOTIA FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF NIS — 1 September 1961 / Early 1961

Location	Overlay Annotation Number	Bottlenecks Item	Description	Length	Description	Major Bridges

ROUTE X-19 AMS SERIES L509 SHEET NE 48-2) YG 8855 TO YG 6963 AND FROM YG 8260 TO YG 9985

This route averages 4 meters in width; has a surface of poorly improved natural earth, and is in poor condition. From YG 9367 to YG 9971 it is lightly surfaced with gravel. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

YG 8855	42				Road ends
YG 8358	43	Ford	5 m. crossing		
YG 8062	44	Ford	20 m. crossing		
YG 6963	45				Road ends
YG 9165	46	Ford	4 m. crossing		
YG 9267	47	Ford	45 m. crossing		
YG 9367	48	Ford	15 m. crossing		
YG 9468	49	Ford	7 m. crossing		
YG 9772	50	Ford	7 m. crossing		
YG 9674	51	Ford	25 m. crossing		
YG 9574	52	Ford	5 m. crossing		
YG 9675	53	Ford	5 m. crossing		
YG 9777	54	Ford	5 m. crossing		
YG 9778	55	Ford	5 m. crossing		
YG 9985	56				Road ends approximately 2 km. from this point

END OF REPORT ON ROUTE X-19

END OF REPORT ON ROUTE IN THE AREA SHOWN ON MAP SHEET NE 48-2

SPECIAL HANDLING REQUIRED NOT RELEASABLE TO FOREIGN NATIONALS EXCEPT NONE

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SECTION VIII
AP 13-61

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS Map Sheet NF 48-16, Series 1509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 9.

NIS selected route numbers included in this section of the study are:

88D
100E
125I
124F
139J

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NATIONALS EXCEPT NONE

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TCTIA FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

(SECRET) NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF NIS — 1 September 1961, Early 1961

Location	Overlay Annotation Number	Bottlenecks: Item	Bottlenecks: Description	Major Bridges: Length	Major Bridges: Description	
ROUTE 88D (AMS SERIES L509 SHEET NF 48-16) XH 5691 TO XJ 7506 (HAIPHONG)						
This section of Route 88D averages 5 meters in width; has a surface of crushed stone, and is in fair to good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XH 5696	1	Ferry	192 m. crossing			
XH 5898	2	Bridge	[redacted] wide			25X1D
XH 5999	3	Ferry	201 m. crossing			
XJ 6202	4	Bridge	3 m. wide			
XJ 6203	5			131 m.	Concrete deck	
XJ 7405	6			192 m.	Concrete deck	25X1D
XJ 7405	7			189 m.	Concrete deck	[redacted] wide
END OF REPORT ON ROUTE 88D						
ROUTE 100E (AMS SERIES L509 SHEET NF 48-16) XJ 5619 TO XJ 7507 (HAIPHONG)						
This section of Route 100E averages 5 meters in width; has a bituminous treated surface, and is in good condition. There are several bridges on this route with measurements that preclude them from being listed as bottlenecks, therefore, they are not listed below nor annotated on the overlay. Major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XJ 6215	8			Approx 60 m.		
XJ 6611	9			Approx 55 m.		
XJ 7404	10			89 m.	Steel; 3 spans	1 lift span
XJ 7507	11			89 m.	Steel; 4 spans	
END OF REPORT ON ROUTE 100E						

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Country NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF MIS — 1 September Early 1961

Location	Overlay Annotation Number	Bottlenecks Item	Bottlenecks Description	Bottlenecks Length	Major Bridges Description	
ROUTE 1251 (AMS SERIES L509 SHEET NF 48-16) XH 8792 (DO SON) TO XJ 9323						
This section of Route 1251, from XH 8792(DO SON) to XJ 7607(HAIHONG) averages 7 meters in width; has a bituminous treated surface, and is in good condition. From XJ 7508(HAIHONG) to XJ 9323 it averages 5 meters in width; has a bituminous treated surface with gravel repaired spots, and is in fair to good condition. There are numerous bridges on this route with measurements that preclude them from being listed as bottlenecks, therefore, they are not listed below nor annotated on the overlay. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XJ 7704	12			155 m.	3 spans: [redacted] wide	2 deck spans; 1 truss span
XJ 7508	13	Ferry	450 m. crossing			
XJ 7615	14	Causeway				2 or 3 short bridges
XJ 8516	15	Ferry	1100 m. crossing			
END OF REPORT ON ROUTE 1251						
ROUTE 124F (AMS SERIES L509 SHEET NF 48-16) XJ 9723 TO YJ 2017 (HON GAY)						
This section of Route 124F averages 5 meters in width; has a earth - gravel surface, and is in fair to good condition. There are approximately 5 bridges on this route, however, there is no detailed information available as to their measurements. There are two ferries on this section of the route, listed below; referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XJ 9723	16	Ferry	165 m. crossing			
YJ 1519	17	Ferry	396 m. crossing			
END OF REPORT ON ROUTE 124F						
ROUTE 139J (AMS SERIES L509 SHEET NF 48-16) YJ 2017 (HON GAY) TO YJ 3123						
This section of Route 139J averages 5 meters in width; has a gravel surface, and is in fair condition. There are approximately 10 bridges on this route, however, there is no detailed information available as to their measurements. A change of alinement from YJ 2520 to YJ 3023 has eliminated 3 fords. The old alinement is no longer in use as a road for motorized traffic.						
END OF REPORT ON ROUTE 139J						
END OF REPORT ON ROUTES IN THE AMS SERIES L509 SHEET NF 48-16						

25X1D

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SECTION IX
AP 13-61

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS Map Sheet NF 48-15, Series 1509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 10.

BIS selected route numbers included in this section of the study are:

49E
55F
67G
72B
86C
84D
88D
100B
100C
100E
105E
105F
105G
105H
121H
125F
125G

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TOTIA FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

COUNTRY: NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF MIS — 1 September 1961 — 1959-1961

LOCATION	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM NO	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION

ROUTE 49E(AMS SERIES L509 SHEET NF 48-15) WE 1253 (HOI XUAN) TO WH 0594 (JUNCTION WITH ROUTE 1003)

Route 49E, from WE 1253 to WH 0372, averages 4 meters in width; is lightly surfaced with gravel, and is in poor condition. From WH 0372 to WH 0594 it averages 3 meters in width; is improved natural earth, and is in poor to fair condition. (The alinement as shown on referenced map sheet does not exist. The approximate alinement is as shown on attached overlay). Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

WH 1055	1	Bridge	[redacted] wide	25X1D
WH 0957	2	Ford	9 m. crossing	
WH 0957	3	Bridge	3 m. wide	
WH 0858	4	Ford	9 m. crossing	
WH 0860	5	Ford	11 m. crossing	
WH 0463	6	Ford	25 m. crossing	
WH 0469	7	Ford	6 m. crossing	
WH 0469	8	Ford	6 m. crossing	
WH 0372	9	Ford	19 m. crossing	
WH 0477	10	Ford		
WH 0786	11	Ford		
WH 0889	12	Ford		
WH 0693	13	Bridge	[redacted] wide	25X1D

END OF REPORT ON ROUTE 49E

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
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TEMPLATE FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

COUNTRY NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF BIS — 1 September 1961 — 1959-1961

LOCATION	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	DESCRIPTION	MAJOR BRIDGES LENGTH	DESCRIPTION

ROUTE 72B (AMS SERIES L509 SHEET NF 48-15) VH 1253 (HOI XUAN) TO VH 6711

This section of Route 72B, from VH 1253 to VH 6214, averages 3 to 3.5 meters in width; is improved natural earth with sections of light gravel, and is in poor to fair condition. From VH 6214 to VH 6711 it averages 3.6 meters in width; has a bituminous treated surface, and is in good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

VH 2251	14	Ferry	123 m. crossing			
VH 2649	15	Bridge	3 m. wide			
VH 2946	16	Ford	25 m. crossing			
VH 3244	17	Ford	49 m. crossing			
VH 3344	18	Bridge	[redacted] wide			
VH 4137	19		34 m.	Concrete deck	[redacted] wide	
VH 5135	20	Ferry	186 m. crossing			
VH 5531	21		[redacted]	Concrete/steel deck	3 m. [redacted] wide	
VH 5429	22	Bridge	[redacted] wide			
VH 5427	23	Bridge	[redacted] wide			
VH 6024	24		[redacted]	Concrete	3 m. wide	
VH 6214	25	Ferry	243 m. crossing			

END OF REPORT ON ROUTE 72B

25X1D
25X1D
25X1D
25X1D
25X1D
25X1D

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1 September 1961
Early 1961

COUNTRY NORTH VIETNAM

HIGHWAY DATA FOR REVISION OF NIS

LOCATION	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION	
ROUTE 105E (AMS SERIES L509 SHEET NF 48-15) WH 8911 TO XH 0340 (NINH BINH)						
This section of Route 105E averages 4.2 meters in width; has a bituminous treated surface, and is in good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
WH 8917	26	Bridge	3 m. wide			
WH 8918	27			40 m.		3 m. wide
WH 9022	28	Bridge	3 m. wide			
WH 9428	29	Bridge	3 m. wide			
WH 9830	30	Bridge	3 m. wide			
WH 9931	31			35 m.	Concrete	3 m. wide
XH 0133	32	Bridge	3 m. wide			
XH 0135	33			40 m.	Concrete	3 m. wide
END OF REPORT ON ROUTE 105E						
ROUTE 105F (AMS SERIES L509 SHEET NF 48-15) XH 0340 (NINH BINH) TO WH 9672 (MSU LY)						
Route 105F averages 3.6 meters in width; has a bituminous treated surface, and is in good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XH 0240	34			35 m.		3 m. wide
XH 0241	35	Bridge	3 m. wide			
XH 0142	36	Bridge	3 m. wide			
XH 0142	37	Bridge	3 m. wide			
WH 9945	38	Bridge	3 m. wide			
WH 9945	39	Bridge	3 m. wide			
WH 9946	40	Bridge	3 m. wide			
WH 9946	41	Bridge	3 m. wide			
WH 9847	42	Bridge	3 m. wide			
WH 9848	43			90 m.	2 arcs	3 m. wide
END OF REPORT ON ROUTE 105F						

SPECIAL HANDLING
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TOTIA [illegible] FOR THE MAINTENANCE OF TRANSPORTATION MAPS INTELLIGENCE DOCUMENTS

[illegible] NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF MIS — 1 September 1961, Early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	BOTTLENECKS LENGTH	MAJOR BRIDGES DESCRIPTION
ROUTE 1059 (AMS SERIES 1509 SHEET NF 48-15) WE 9672 (PHU LY) TO WJ 8822					
This section of Route 1059 averages 7 meters in width; has a bituminous treated surface, and is in good condition. There are numerous bridges on this route with measurements that preclude them from being listed as bottlenecks, therefore they are not listed below nor annotated on the overlay. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.					
WE 9672	44			50 m.	3 m. wide
WE 9588	45			40 m.	3 m. wide
WE 9497	46	Bridge	3 m. wide		
END OF REPORT ON ROUTE 1059					
ROUTE 125F (AMS SERIES 1509 SHEET NF 48-15) XH 0340 (NINH BINH) TO XH 4162 (THAI BINH)					
Route 125F averages 4.2 meters in width; has a bituminous treated surface, and is in good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.					
XH 0340	47			205 m.	Steel; 2 spans @ 20m., 2 spans [redacted] — 3 m. wide; rail/highway bridge; 20 m. swing span
XH 1147	48			35 m.	3 m. wide
XH 1751	49	Bridge	3 m. wide		
XH 2761	50	Ferry	232 m. crossing		
XH 2960	51	Bridge	3 m. wide		
XH 3060	52	Bridge	3 m. wide		
XH 3260	53	Bridge	3 m. wide		
XH 3360	54	Bridge	[redacted] wide		
XH 3861	55	Bridge	No details		Bridges(Nos. 55 and 56) are on a causeway; probable traffic restriction.
XH 3861	56	Bridge	No details		
END OF REPORT ON ROUTE 125F					

25X1D

25X1D

NATIONALS EXCEPT [illegible]

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DATA FROM THE THE INTERAGENCY OF TRANSPORTATION CORPS INTERAGENCY DOCUMENTS

COUNTRY: SOUTH VIETNAM — HIGHWAY DATA FOR REVISION OF MIS — 1 September 1961 — Early 1961

LOCATION	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION	
ROUTE 800 (AMS SERIES L509 SHEET NF 48-15) WH 9672 (TEU LY) TO XH 2259 (NAM DINH)						
Route 800 averages 3 meters in width; has a bituminous treated surface that has numerous gravel patches, and is fair to good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
WH 9869	57	Bridge	3 m. wide			
XH 0267	58	Bridge	3 m. wide			
XH 0765	59	Bridge	3 m. wide			
XH 0864	60			35 m.	Steel	3 m. wide
XH 0964	61	Bridge	3 m. wide			
END OF REPORT ON ROUTE 800						
ROUTE 670 (AMS SERIES L509 SHEET NF 48-15) WH 9672 (TEU LY) TO WJ 5422						
This section of Route 670, from WH 9672 (TEU LY) to WH 8166, averages 3 meters in width; has a gravel surface, and is in good condition. From WH 8166 to WH 6987 it averages 4.2 meters in width; is lightly surfaced with gravel, and is in good condition. From WH 6987 to WJ 6011 it averages 3 meters in width; is lightly surfaced with gravel, and is in good condition. From WJ 6011 to WJ 5422 it averages 4 meters in width; is of improved natural earth, and is in fair to good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
WH 9571	62	Ferry	153 m. crossing			
WH 9175	63	Bridge	3 m. wide			
WH 8974	64	Bridge	[redacted] wide			
WH 8365	65	Bridge	3 m. wide			
WH 7475	66	Bridge	3 m. wide			
WH 6799	67	Bridge	3 m. wide			
WJ 6604	68	Bridge	3 m. wide			
WJ 6405	69	Bridge	3 m. wide			
WJ 6110	70			60 m.		3 m. wide
WJ 5619	71			33 m.	Under construction	
WJ 5520	72	Bridge	[redacted] wide			
END OF REPORT ON ROUTE 670						

25X1D

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

25X1D

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DATA FOR USE IN MAINTENANCE OF TRANSPORTATION COSTS DETERMINATIONS

[illegible] / 10TH VIETNAM — HIGHWAY DATA FOR REVISION OF NIS — 1 September 1961 / Mid 1959

[illegible]	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	DESCRIPTION	MAJOR BRIDGES LENGTH	DESCRIPTION	
ROUTE 84D (AMS SERIES 1509 SHEET NF 48-15) XH 4162 (THAI BINH) TO XH 1884 (JUNCTION WITH ROUTE 88D)						
Route 84D averages 3.6 meters in width; has a gravel surface, and is in good condition. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XH 1784	73	Ferry	200 m. crossing			
XH 2378	74	Bridge	3 m. wide			
XH 3572	75	Bridge	[redacted] wide			
END OF REPORT ON ROUTE 84D						
ROUTE 1259 (AMS SERIES 1509 SHEET NF 48-15) XH 4162 (THAI BINH) TO XH 5688 (JUNCTION WITH ROUTE 88D)						
Route 1259 averages 4.2 meters in width; has a gravel surface with sections bituminous treated, and is in fair to good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XH 4162	76			71 m.	Steel; 2 spans	[redacted] wide
XH 4265	77	Bridge	[redacted] wide			
XH 4266	78	Bridge	wide			
XH 4268	79	Bridge	wide			
XH 4270	80	Bridge	3 m. wide			
XH 4272	81	Bridge	3 m. wide			
XH 4274	82			74 m.	Steel	[redacted] wide
XH 4479	83	Bridge	3 m. wide			
XH 4580	84			[redacted]	Concrete	3 m. wide
XH 4883	85	Bridge	3 m. wide			
XH 5085	86			55 m.	Steel/concrete	3 m. wide
XH 5588	87	Bridge	3 m. wide			
END OF REPORT ON ROUTE 1259						

25X1D

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TYPIA TAB FOR THE MAINTENANCE OF DOCUMENTATION MAPS MATERIALS DOCUMENTS

COUNTRY NORTH VIETNAM

HIGHWAY DATA FOR REVISION OF NIS

1 September 1961
Mid 1959

	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION

ROUTE 88D (AMS SERIES L509 SHEET NF 48-15) XF 1184 (JUNCTION WITH ROUTE 109H) TO XH 5691

This section of Route 88D, from XF 1184 to XF 1884, averages 4.2 meters in width; has a gravel surface, and is in fair condition. From XH 1884 to XH 5688 (Junction with Route 1257) it averages 2 meters in width; is of improved natural earth, and is in poor condition (some sections will not support motorized traffic). From XH 5688 to XH 5691 it averages 4.2 meters in width; has a gravel surface, and is in fair condition. There are no bottlenecks or major bridges on the section from XF 1184 to XH 1884. From XH 1884 to XH 4793 there are no bottlenecks or major bridges that would reduce the capacity to any extent greater than caused by the basic roadway characteristics. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XH 4793	88	Ferry	170 m. crossing		
XH 5389	89	Bridge	3 m. wide		

END OF REPORT ON ROUTE 88D

ROUTE 121H (AMS SERIES L509 SHEET NF 48-15) XH 4793 (JUNCTION WITH ROUTE 88D) TO XJ 3983

This section of Route 121H averages 3 meters in width; is of improved natural earth, and is in poor condition. Detailed information concerning bottlenecks and major bridges is limited. The bottleneck and major bridge listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XH 4398	90		60 m.	Steel	3 m. wide
XH 4000	91	Ferry	50 m. crossing		

END OF REPORT ON ROUTE 121H

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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TOTAL WORK FOR THE MAINTENANCE OF TRANSPORTATION NETWORK INTERDICTION [illegible]

COUNTRY: NORTH VIETNAM

HIGHWAY DATA FOR REVISION OF NIS

1 September 1961
Early 1961

OVERLAY ANNOTATION NUMBER	ROUTE FORKS ITEM	DESCRIPTION	MAJOR BRIDGES LENGTH	DESCRIPTION

ROUTE 109H (AMS SERIES L509 SHEET NF 48-15) XH 1183 (HUNG YAN) TO XJ 1015 (JUNCTION WITH ROUTE 100B)

Route 109H, from XH 1183 to XJ 0603, averages 4 meters in width; has a gravel surface, and is in good condition. From XJ 0603 to XJ 1015 it averages 3 meters in width; is of improved natural earth, and is in fair to good condition. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XH 1094	92	Bridge	3 m. wide
XH 0999	93	Bridge	3 m. wide
XJ 0604	94	Bridge	3 m. wide
XJ 0708	95	Bridge	3 m. wide

END OF REPORT ON ROUTE 109H

ROUTE 55F (AMS SERIES L509 SHEET NF 48-15) WJ 3605(HOA BINH) TO WJ 3362

There is no information available on this section of Route 55F.

END OF REPORT ON ROUTE 55F

ROUTE 100B (AMS SERIES L509 SHEET NF 48-15) XH 0003 TO XH 0405

This section of Route 100B averages 3 meters in width; [illegible] has a gravel surface [illegible] and is in fair condition. It has numerous sharp curves and steep grades. There are no bottlenecks or major bridges on this section of this route.

END OF REPORT ON ROUTE 100B

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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TOTAL ITEM FOR USE IN MAINTENANCE OF TRANSPORTATION DATA IN TEL-TO-ACE DOCUMENTS

COUNTRY NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF AMS — 1 September 1961 — Early 1961

ALINEMENT	OVERLAY ANNOTATION NUMBER	ROUTE JUNCTIONS ITEM	ROUTE JUNCTIONS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION		
ROUTE 1000 (AMS SERIES 1509 SHEET NF 48-15) WE 0093 TO WJ 8522							
Route 1000, from WE 0695 to WJ 3502, averages 3.3 meters in width; has a gravel surface, and is in fair condition. From WJ 3502 to WJ 3706 the alinement has been changed to parallel the east bank of the BLACK RIVER. From WJ 3502 to WJ 6111 it averages 5.5 meters in width; has a gravel surface, and is in fair to good condition. From WJ 6111 to WJ 8522 it averages 5.5 meters in width; has a bituminous treated surface, and is in good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.							
WE 0695	96	Bridge	[redacted] wide				
WE 0897	97	Ferry	137 m. crossing				
WE 1597	98	Bridge	[redacted] wide				
WE 1896	99	Bridge	[redacted] wide				
WE 2096	100	Ferry	200 m. crossing				
WE 3097	101	Bridge	3 m. wide				
WE 3197	102	Bridge	[redacted] wide				
WJ 3500	103	Bridge	[redacted] wide				
WJ 3502	104	Ferry	640 m. crossing			On old alinement	
WJ 3503	105	Bridge	3 m. wide			On old alinement	
WJ 3703	106			[redacted]	On new alinement	[redacted] wide	
WJ 3803	107				On new alinement	[redacted] wide	
WJ 3609	108	Bridge	3 m. wide				
WJ 3709	109	Bridge	3 m. wide				
WJ 3910	110	Bridge	[redacted] wide				
WJ 4111	111	Bridge	[redacted] wide				
WJ 4212	112	Bridge	3 m. wide				
WJ 4212	113	Bridge	[redacted] wide				
WJ 4413	114	Bridge	[redacted] wide				
WJ 5308	115			44 m.	Steel/concrete deck	[redacted] wide	
WJ 6312	116			40 m.		3 m. wide	
WJ 7615	117			108 m.	6 spans; steel	3 m. wide	

END OF ITEMS ON ROUTE 1000

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NATIONALS EXCEPT NONE

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TOTIA FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

Country: NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF NIS — 1 September 1961 / Early 1961

Location	Overlay Annotation Number	Bridges: Item	Bridges: Description	Major Bridges: Length	Major Bridges: Description
ROUTE 100E (AMS SERIES L509 SHEET NF 48-15) XJ 0222 TO XJ 5620					
This section of Route 100E averages 3.6 meters in width; has a bituminous treated surface, and is in good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.					
XJ 0221	118			35 m.	Steel
XJ 0319	119	Bridge	3 m. wide		
XJ 0816	120	Bridge	3 m. wide		
XJ 2815	121	Bridge	[redacted] wide		
XJ 3015	122	Bridge	[redacted] wide		
XJ 3616	123	Bridge	3 m. wide		
XJ 3816	124	Bridge	3 m. wide		
XJ 4015	125	Bridge	3 m. wide		
XJ 4116	126			380 m.	5 spans; steel
XJ 4520	127			125 m.	2 spans; steel

[redacted] wide — 25X1D

25X1D

Wood deck; 6 m. wide

3 m. wide

END OF REPORT ON ROUTE 100E

SPECIAL HANDLING REQUIRED NOT RELEASABLE TO FOREIGN NATIONALS EXCEPT NONE

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TOTIA FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF MIS — 1 September 1961 / Early 1961

OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	DESCRIPTION	LENGTH	BRIDGES DESCRIPTION

ROUTE X-57 (AMS SERIES L509 SHEET NF 48-15) VE 0044 TO VE 4511 (INCLUDING A CONNECTING ROAD TO ROUTE 24B: VE 2239 TO VE 2251)

This route, from VE 0044 to VE 1744, averages 3.6 meters in width; is lightly surfaced with gravel, and is in fair condition. From VE 1744 to VE 4511 it averages 3.3 meters in width; is lightly surfaced with gravel, and is in fair condition. The connecting road averages 3.3 meters in width; is lightly surfaced with gravel, and is in fair condition. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

VE 0545	128	Bridge	[redacted] wide	
VE 0543	129	Bridge	[redacted] wide	
VE 1352	130	Ferry	83 m. crossing	On connecting road
VE 1442	131	Bridge	3 m. wide	
VE 2631	132	Bridge	2 m. wide	
VE 3424	133	Bridge	[redacted] wide	
VE 3921	134	Bridge	[redacted] wide	

25X1D

25X1D

END OF REPORT ON ROUTE X-57

ROUTE X-58 (AMS SERIES L509 SHEET NF 48-15) VE 3598 (JUNCTION WITH ROUTE 100C) TO VE 7277 (JUNCTION WITH ROUTE 67B)

This route averages 2.3 meters in width; is of improved natural earth with sections lightly surfaced with gravel, and is in poor to fair condition. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

VE 4193	135	Bridge	[redacted] wide	
VE 4893	136	Bridge	[redacted] wide	
VE 4991	137	Bridge	[redacted] wide	

25X1D

END OF REPORT ON ROUTE X-58

SPECIAL HANDLING REQUIRED
NOT TO BE MADE TO FOREIGN
NATIONALS EXCEPT NOFORN

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TOTIA FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

Country NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF NIS — 1 September 1961, Early 1961

Location	Overlay Annotation Number	Bottlenecks Item	Bottlenecks Description	Bottlenecks Length	Major Bridges Description
ROUTE X-59 (AMS SERIES L509 SHEET NF 48-15) WE 9674 (JUNCTION WITH ROUTE 1059) TO WJ 7917 (JUNCTION WITH ROUTE 1000)(INCLUDING CONNECTING ROADS TO ROUTE 670: WE 6987 TO WE 7986; AND TO ROUTE 1059: WE 8197 TO WJ 9201)					
This route, from WE 9674 to WE 8483, averages 3 meters in width; is of improved natural earth, and is in fair condition. From WE 8483 to WJ 7917 it averages 5 meters in width; has a gravel surface, and is in good condition. The connecting road to Route 670 averages 4 meters in width; has a gravel surface, and is in good condition. The connecting road to Route 1059 averages 5.5 meters in width; has a gravel surface, and is in good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.					
WE 9674	138			45 m.	6 arms 3 m. wide
WE 9175	139	Bridge	3 m. wide		
WE 8978	140	Bridge	3 m. wide		
WE 7387	141	Bridge	[redacted] wide		
WE 8198	142	Bridge	3 m. wide		
WE 8397	143	Bridge	3 m. wide		
WE 8199	144	Bridge	3 m. wide		

END OF REPORT ON ROUTE X-59

ROUTE X-60 (AMS SERIES L509 SHEET NF 48-15) XE 1090 (JUNCTION WITH ROUTE 1059) TO WJ 9522

This route consists only of a subgrade, with good alinement and no grades. The subgrade is sufficiently wide enough to contain a surface up to 6 meters in width. There are no bottlenecks nor major bridges on the entire route. The surface, under present condition, will not support motorized traffic.

END OF REPORT ON ROUTE X-60

END OF REPORT ON ROUTES IN THE AMS SERIES ON MAP SHEET NF 48-15

25X1D

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SECTION X
AP 13-71

This section of the study cites information on highways of North Vietnam located in the geographical area shown on US Map Sheet NF 48-14, Series 1509, Scale 1:250,000, and is referenced to annotations on the attached overlay, Inclosure Number 11.

NIS selected route numbers included in this section of the study are:

41A
100B

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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TOTIA PLAN FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF NIS — 1 September 1961 — Early 1961

LOCATION	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION
ROUTE 41A (AMS SERIES L509 SHEET NF 48-14) VH 4791 (LAOS BORDER) TO VJ 6104 (JUNCTION WITH ROUTE 100B)					
Route 41A, from VH 4791 to VH 5695, averages 4 meters in width; is of improved natural earth with gravel in sections, and is in poor to fair condition. (This section has numerous sharp curves and steep grades, however, there has been some improvement in alinement from VH 4791 to VH 5394). From VH 5695 to VJ 6104 it averages 4.3 meters in width; has a gravel surface, and is in fair condition. It has numerous sharp curves and steep grades. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.					
VH 5193	1	Ford			
VH 5294	2	Ford			
VH 5295	3	Ford			
VH 5296	4	Ford			
VH 5796	5				
VH 5798	6	Ford			Bridge under construction
VH 5903	Bridge	[redacted] wide			

END OF REPORT ON ROUTE 41A

25X1D

ROUTE 100B (AMS SERIES L509 SHEET NF 48-14) VJ 3822 TO VH 9993

This section of Route 100B averages 4 to 4.5 meters in width; has a gravel surface, and is in fair to good condition. There is no detailed information available on bottlenecks or major bridges. There has been considerable construction completed on this section: replacement of bridges with culverts, improvement of alinement, and resurfacing with gravel. An intersecting trail at VJ 7301, extending NE and then E, has been widened to [redacted] for a distance of approximately 11 kilometers, and 2 bridges are being constructed on it.

25X1D

END OF REPORT ON ROUTE 100B

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT

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TOTIA FORM FOR THE MAINTENANCE OF RECONNAISSANCE CORPS INTELLIGENCE DOCUMENTS

COUNTRY: NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF MIS — 1 September 1961, Early 1961

Location	Overlay Annotation Number	Bottlenecks Item	Bottlenecks Description	Bottlenecks Length	Major Bridges Description

ROUTE L-43 (AMS SERIES L509 SHEET NF 48-14) VH 6042 (LAOS BORDER) TO VH 0943

This route is newly constructed, averages 3.6 to 4.5 meters in width; is of improved natural earth with gravel in sections, and is in fair condition. There are 4 bridges on this route, however 3 have measurements that preclude classification as bottlenecks. There are some curves, but generally they are sweeping and not of a traffic limiting nature. The referenced map sheet has gross errors in this area: the stream shown at VH 8830 flowing NE to VH 9941 does not exist in that location, nor do contour lines reflect true elevations. The alinement of this route as shown on attached overlay is approximately correct. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

VH 7542	8	Ford			
VH 9039	9	Bridge	[redacted] wide		Temporary bridge, construction in progress

25X1D

END OF REPORT ON ROUTE L-43

ROUTE L-44 (AMS SERIES L509 SHEET NF 48-14) VH 7543 (LAOS BORDER) TO VH 0952

This route averages 1.8 to 2.1 meters in width; is of improved natural earth with gravel in some sections, and is in poor condition. The referenced map sheet has gross errors in this area: the alinement of this route, the paralleling stream (SONG LUONG), and the contour lines are not in existence as shown. The alinement of this route as shown on the attached overlay is approximately correct; also as shown on Map "Carte de L'Indochine", Series 1605, Scale 1:100,000, printed by AMS 7-56. There are no bottlenecks or major bridges that would reduce the capacity of this route more than the basic roadway characteristics.

END OF REPORT ON ROUTE L-44

ROUTE L-45 (AMS SERIES L509 SHEET NF 48-14) VH 6873 (LAOS BORDER) TO VH 0975

This route averages 2.5 to 4 meters in width; is of improved natural earth with gravel in sections, and is in poor condition. There are no bottlenecks or major bridges that would reduce the capacity of this route more than the basic roadway characteristics.

END OF REPORT ON ROUTE L-45

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FORE
NATIONALS EXCEPT NONE
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TOTAL FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

Country NORTH VIETNAM — MILITARY DATA FOR REVISION OF MIS — 1 September 1961

Location — Early 1961

OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	DESCRIPTION	MAJOR BRIDGES LENGTH	DESCRIPTION

ROUTE X-46 (AMS SERIES L509 SHEET NF 48-14) VJ 1116 (LAOS BORDER) TO VJ 1622

This route averages 2.5 meters in width; is of improved natural earth, and is in poor condition. It has numerous steep grades and sharp curves. There are no bottlenecks or major bridges that would reduce the capacity of this route more than the basic roadway characteristics.

END OF REPORT ON ROUTE X-46

ROUTE X-47 (AMS SERIES L509 SHEET NF 48-14) UJ 7722 TO UJ 9522

This route averages 3.1 to 4 meters in width; is of improved natural earth, and is in poor condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

UJ 8416	10	Bridge	[redacted] wide	
UJ 8716	11	Ford		
UJ 9619	12	Ford		
UJ 9412	13	Ford		
UJ 9411	14		79 m.	[redacted] wide

25X1D

25X1D

END OF REPORT ON ROUTE X-47

ROUTE X-48 (AMS SERIES L509 SHEET NF 48-14) UJ 0062 TO UJ 6805

This route averages 2.1 to 2.4 meters in width; is of improved natural earth, and is in poor condition. It has numerous sharp curves and steep grades. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

UJ 4521	15	Ford	
UJ 5116	16	Bridge	[redacted] wide
UJ 5516	17	Ford	
UJ 5516	18	Bridge	[redacted] wide
UJ 5515	19	Ford	
UJ 6005	20	Bridge	[redacted] wide
UJ 6602	21	Bridge	[redacted] wide

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN NATIONALS EXCEPT NONE

25X1D

END OF REPORT ON ROUTE X-48

END OF REPORT ON ROUTES IN THIS AMS SHEET OF MAP SHEET NF 48-14

SECRET NOFORN

Approved For Release 2001/08/27 : CIA-RDP78T05439A000300300026-1

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SECTION XI
AP 13 -61

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS Map Sheet NF 48-13, Series 1509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 12.

There are no NIS selected route numbers included in this section of the study.

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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TITLE FORM FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF MIS

1 September 1961
Early 1961

	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION
NON-SELECTED ROUTE (AMS SERIES 1509 SHEET NF 48-13) UJ 2615 TO UJ 4323					
UJ 2819	1	Road ends			
UJ 2615	2	Ford			
UJ 2716	3	Ford			
UJ 2915	4	Ford			
UJ 3213	5	Road ends			
UJ 3015	6	Bridge	2 m. wide		
UJ 4323	7	Bridge	2 m. wide		

This route averages 1 meter in width; is of unimproved natural earth, and is unsuitable for motorized traffic. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

There are numerous fords on this route that are not listed nor annotated; crossing width 1 to 7 meters.

END OF REPORT ON ROUTES IN THE AREA SHOWN ON MAP SHEET NF 48-13

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

SECRET NOFORN

Approved For Release 2001/08/27 : CIA-RDP78T05439A000300300026-1

Approved For Release 2001/08/27 : CIA-RDP78T05439A000300300026-1

SECTION XII

AP 13-61

This section of the study cites information on highways of North Vietnam located in the geographical area shown on APS Map Sheet NF 48-12, Series 1509, Scale 1:250,000; and is references to annotations on the attached overlay, Inclosure Number 13.

NIS selected route numbers included in this section of the study are:

1051
1053
1054
1394
1407
1408
1409

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Approved For Release 2001/08/27 : CIA-RDP78T05439A000300300026-1

SECRET NOFORN

[illegible]

NORTH VIETNAM [illegible] 1 September 1961
[illegible] 1961

OVERLAY ANNOTATION NUMBER | ITEM | [illegible] | [illegible] | DESCRIPTION

ROUTE 124F (US SERIES 1500 START AT [illegible])

This section of Route 124F averages 3.[illegible] meters in width; is of improved natural earth with gravel in places, and is in fair to good condition. There is no information on bottlenecks or major bridges between XJ [illegible] and XJ [illegible], and between XJ 6231 and XJ 7528. Bottlenecks and major bridges listed below are referenced to the US Map Sheet by U.V. Grid Coordinates, and to the overlay by annotation number.

XJ 6131	1	Bridge	[redacted] wide		
XJ 7628	2	Bridge	3 m. wide		
XJ 7828	3	Bridge	[redacted] wide		
XJ 7928	4	Bridge	[redacted] wide		
XJ 8127	5	Bridge	[redacted] wide		
XJ 8427	6	Bridge	3 m. wide		
XJ 8627	7			24 m.	Steel/concrete deck 3 m. wide
XJ 8726	8	Bridge	[redacted] wide		
XJ 8826	9	Bridge	[redacted] wide		
XJ 8926	10	Bridge	[redacted] wide		
XJ 8925	11	Bridge	[redacted] wide		
XJ 9025	12	Bridge	[redacted] wide		
XJ 9224	13	Bridge	3 m. wide.		
XJ 9424	14	Bridge	3 m. wide		

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END OF REPORT ON ROUTE 124F

[illegible]

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Approved For Release 2001/08/27 : CIA-RDP78T05439A000300300026-1

SECRET NOFORN

Country: NORTH VIETNAM

Date of Report: 1 September 1961
Date of Information: Early 1961

Location	Overlay Annotation Number	Item	Description	Length	Description	Remarks
Route 139J (AMS Series 1509 Sheet NF 48-12) YJ 3124 to YJ 4851 (Junction with Route 1502)						
This section of Route 139J averages 3.5 meters in width, has a gravel surface, and is in fair condition. Several small narrow bridges on this route have been replaced with culverts. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
YJ 3124	15	Bridge	3 m. wide			
YJ 3224	16	Bridge	[redacted] wide			
YJ 3424	17	Bridge	3 m. wide			
YJ 3925	18			52	Wood deck	3 m. wide
YJ 4124	19	Bridge	[redacted] wide			
YJ 4425	20	Bridge	[redacted] wide			
YJ 4528	21	Bridge	[redacted] wide			
YJ 4431	22	Ferry	76 m. crossing			
YJ 4432	23	Bridge	3 m. wide			
YJ 4533	24	Bridge	3 m. wide			
YJ 4438	25	Bridge	3 m. wide			
YJ 4543	26	Bridge	[redacted] wide			
YJ 4544	27	Bridge	[redacted] wide			
YJ 4545	28	Bridge	[redacted] wide			
YJ 4546	29	Bridge	[redacted] wide			
YJ 4648	30	Ferry	135 m. crossing			
YJ 4649	31	Bridge	3 m. wide			
YJ 4651	32	Bridge	[redacted] wide			
YJ 4651	33	Bridge	[redacted] wide			
YJ 4554	34	Bridge	[redacted] wide			
YJ 4555	35	Bridge	[redacted] wide			
YJ 4555	36	Bridge	[redacted] wide			
YJ 4556	37	Bridge	[redacted] wide			
YJ 4458	38	Bridge	[redacted] wide			

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SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

SECRET NOFORN

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TOPIA [illegible] OF [illegible] OVERLAY [illegible] OF [illegible] IN [illegible]

Country: SOUTH VIETNAM | [illegible] HIGHWAY DATA FOR [illegible] | Date of Report: 1 September 1961 | Date of Information: Early 1961

Location	OVERLAY ANNOTATION NUMBER	ROUTE DATA: ITEM	ROUTE DATA: DESCRIPTION	ROUTE DATA: LENGTH	ROUTE DATA: DESCRIPTION	Remarks
ROUTE 1051 (AMS SERIES L509 SHEET NF 48-12) XJ 5886 TO XK 8216 (LAND USE)						
This section of Route 1051 averages 3.3 meters in width; is lightly surfaced with gravel, and is in fair condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XJ 5889	39			34 m	5 spans; deck "	[redacted] wide
XJ 5990	40	Culvert	[redacted] wide			
XJ 6395	41			33 m.		[redacted] wide
XJ 6699	42	Bridge	wide			
XK 7308	43	Bridge	wide			
XK 7509	44	Culvert	wide			
XK 7510	45	Culvert	wide			
XK 8015	46	Bridge	2 m. wide			
END OF REPORT ON ROUTE 1051						
ROUTE 105J (AMS SERIES L509 SHEET NF 48-12) XK 8217 (LAND USE) TO XK 7034						
This section of Route 105J averages 3.3 meters in width; has a gravel surface, and is in good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XK 8217	47		[redacted]		Steel deck; 2 spans	Highway/ railroad; [redacted] wide
XK 7627	48	Bridge	3 m. wide			
XK 7331	49	Bridge	[redacted] wide			
XK 7033	50	Bridge	[redacted] wide			
END OF REPORT ON ROUTE 105J						
ROUTE 1543 (AMS SERIES L509 SHEET NF 48-12) XK 7028 (JUNCTION WITH ROUTE 105J) TO XK 7231 (CITY [illegible])						
Route 1543 averages [redacted] in width; is lightly surfaced with gravel, and is in fair condition. There are no bottlenecks nor major bridges on this route.						
END OF REPORT ON ROUTE 1543						

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SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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SECRET NOFORN

[illegible] FORM FOR THE MAINTENANCE OF [illegible] ROAD INTELLIGENCE RECORDS

Country NORTH VIETNAM | [illegible] HIGHWAY DATA FOR REVISION OF [illegible] | [illegible] 1 September 1961 [illegible] Early 1961

Location	OVERLAY ANNOTATION NUMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		WEAK	DESCRIPTION	LENGTH	DESCRIPTION	

ROUTE 1500 (ARS SERIES 1500 SHEET NF 48-14) XX 8417 (LANG SON) TO YJ 5060 (THAN YEN)

Route 1500, from XX 8417 (LANG SON) to YJ 1784, averages 3.5 meters in width; is of improved natural earth with sections of gravel, and is in fair condition. From YJ 1784 to YJ 5060 (THAN YEN) it averages 3.2 meters in width; is lightly surfaced with gravel, and is in fair condition. Bottlenecks and major bridges listed below are referenced to the ARS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XX 8518	51	Bridge	[redacted] wide			
XX 9213	52	Bridge	3 m. wide			
XX 9213	53	Bridge	[redacted] wide			
XX 9313	54	Bridge	[redacted] wide			
XX 9312	55	Bridge	[redacted] wide			
XX 9411	56	Bridge	[redacted] wide			
XX 9411	57	Bridge	[redacted] wide			
XX 9611	58	Bridge	[redacted] wide			
XX 9709	59	Bridge	[redacted] wide			
YX 0106	60			120 m.	5 spans	
YX 0105	61	Bridge	3 m. wide			
YX 0400	62	Bridge	[redacted] wide			
YJ 1389	63	Bridge	[redacted] wide			
YJ 1488	64	Bridge	[redacted] wide			
YJ 1686	65			33 m.		
YJ 2280	66	Ford	60 m. crossing			
YJ 2378	67			45 m.		
YJ 2674	68	Ford	22 m. crossing			
YJ 2773	69			36 m.	Concrete deck	5 m. wide
YJ 3269	70	Bridge	[redacted] wide			
YJ 3369	71	Bridge	[redacted] wide			
YJ 3468	72			45 m.	Deck	[redacted] wide
YJ 3667	73	Bridge	[redacted] wide			
YJ 3667	74	Bridge	[redacted] wide			
YJ 3866	75	Bridge	3 m. wide			
YJ 4264	76	Bridge	[redacted] wide			
YJ 4264	77	Bridge	[redacted] wide			
YJ 4463	78	Bridge	[redacted] wide			
YJ 4950	79	Ferry	177 m. crossing			

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SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN NATIONALS

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TOTAL FORM

END OF REPORT ON ROUTE 1500

58

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TOTAL WORK FOR THE MAINTENANCE OF TRANSPORTATION [illegible] - [illegible]

COUNTRY NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF MIS — 1 September 1961 Early 1961

LOCATION	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION	
ROUTE 150H (AMS SERIES L509 SHEET NF 48-12) YJ 5060 (TIEN YEN) TO ZJ 0884 (CHINA BORDER)						
Route 150H averages 4.2 meters in width; has a gravel surface, and is in fair condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
YJ 5061	80	Ferry	85 m. crossing			
YJ 5260	81	Bridge	[redacted] wide			
YJ 5259	82	Bridge	3 m. wide			
YJ 5359	83	Bridge	[redacted] wide			
YJ 5461	84	Bridge	3 m. wide			
YJ 5661	85	Bridge	[redacted] wide			
YJ 5961	86	Bridge	[redacted] wide			
YJ 6261	87	Bridge	3 m. wide			
YJ 6462	88	Bridge	3 m. wide			
YJ 6562	89	Bridge	5 m. wide	27 m.	Ponton type	
YJ 6763	90	Bridge	[redacted] wide			
YJ 6863	91	Bridge	3 m. wide			
YJ 7063	92	Bridge	[redacted] wide			
YJ 7063	93		[redacted]	33 m.	On causeway	3 m. wide
YJ 7163	94	Bridge	[redacted] wide			
YJ 7164	95	Bridge	[redacted] wide	7 m.	Ponton type	
YJ 7268	96	Bridge	[redacted] wide			
YJ 7369	97	Bridge	3 m. wide			
YJ 7369	98	Bridge	[redacted] wide	17 m.	Ponton type	
YJ 7773	99	Bridge	[redacted] wide			
YJ 7874	100	Bridge	[redacted] wide	11 m.	Ponton type	
YJ 8674	101	Ferry	40 m. crossing			
YJ 8777	102	Bridge	[redacted] wide			
YJ 8681	103	Bridge	[redacted] wide			
YJ 8882	104	Bridge	[redacted] wide			
YJ 9083	105	Ferry	26 m. crossing			
YJ 9183	106	Bridge	[redacted] wide			
YJ 9283	107	Bridge	[illegible] m. wide			
YJ 9383	108	Bridge	[redacted] wide			

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(ROUTE 150H CONTINUED ON NEXT PAGE)

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TOTIA FORM NO. 1 FOR MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DATA

COUNTRY NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF MIS — 1 September 1961 Early 1961

LOCATION	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	BRIDGE LENGTH	BRIDGE DESCRIPTION
(ROUTE 150H CONTINUED FROM PRECEDING PAGE)					
YJ 9484	109	Ferry	90 m. crossing		
YJ 9784	110	Bridge	3 m. wide		
YJ 9984	111	Bridge	[redacted] wide		
ZJ 0185	112	Bridge	3 m. wide		
ZJ 0285	113	Bridge	3 m. wide		
ZJ 0385	114	Bridge	[redacted] wide		
ZJ 0883	115	Ferry	45 m. crossing		
ZJ 0884	116	Bridge	No details		

END OF REPORT ON ROUTE 150H

ROUTE X-61 (AMS SERIES 1509 SHEET NF 48-12) XJ 5661 TO YJ 1784 (JUNCTION WITH ROUTE 150G)

There is no information on this route from XJ 5661 to YJ 8759. From YJ 8759 to YJ 1784 (Junction with Route 150G) it averages 3.6 meters in width; is of improved natural earth, and is in poor to fair condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

YJ 9360	117	Bridge	[redacted] wide				
YJ 9662	118	Bridge	wide				
YJ 9762	119	Bridge	wide				
YJ 0568	120	Bridge	wide				
YJ 1072	121	Ford					
YJ 1072	122	Bridge	wide				
YJ 1073	123	Bridge	wide				
YJ 1177	124			33 m.		[redacted]	wide
YJ 1280	125			35 m.			wide
YJ 1381	126			38 m.	Concrete deck		wide.
YJ 1381	127			41 m.	Concrete/steel		wide
YJ 1481	128	Bridge	[redacted] wide				
YJ 1682	129			44 m.	Concrete deck		wide

END OF REPORT ON ROUTE X-61

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TOTIA PLAN FOR THE MAINTENANCE OF TRANSPORTATION [illegible]

NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF AMS — 1 September 1961 — Early 1961

OVERLAY ANNOTATION NUMBER	ITEM	DESCRIPTION	LENGTH	DESCRIPTION

ROUTE X-62 (AMS SERIES L509 SHEET NF 48-12) XJ 6496 (JUNCTION WITH ROUTE 1051) TO XK 5718, XK 5516 TO XK 7628 (JUNCTION WITH ROUTE 105J) AND INTERSECTING ROAD AND TRAIL FROM XK 7307 TO XK 6522

This route, from XJ 6496 (Junction with Route 1051) to XK 5718, averages 2.8 meters in width; is lightly surfaced with gravel, and is in poor to fair condition. From XK 5516 to XK 7628 (Junction with Route 105J) it averages 4.5 meters in width; has a gravel surface, and is in good condition. There are some grades on this section. The intersecting road and trail, from XK 7307 to XK 6711, will support motorized traffic only under optimum conditions. From XK 6711 to XK 6522 it averages 2 meters in width; is lightly surfaced with gravel, and is in poor condition. Bottlenecks and roadway characteristics listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XK 5813	130	Bridge	[redacted] wide	
XK 6516	131	Bridge	[redacted] wide	
XK 5221	132			
XK 6521	133	Ford	[redacted] crossing	New alinement to XK 6522
XK 6720	134	Bridge	[redacted] wide	On spillway of small dam
XK 7121	135			
XK 7526	136	Bridge	[redacted] wide	New alinement to XK 7222

END OF REPORT ON ROUTE X-62

END OF REPORT ON ROUTES IN THE AREA SHOWN ON MAP SHEET NF 48-12

25X1D

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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SECTION XIII
AP 13-61

This section of the study cites information on highways of North Vietnam located in the reconnaissance area shown on AMS Map Sheet NF 48-11, Series 1509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 14.

NIS selected route numbers included in this section of the study are:

55F
67J
75J
75K
87I
89J
95K
100K
105F
105I
1.0M
1.0C
1.1F
1.4F
1.5C
1.6D
1.7F

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT BRIT

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SECRET NOFORN

TOTAL PLAN FOR THE MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF MIS — 1 September 1961, Early 1961

OVERLAY ANNOTATION NUMBER	BOTTLENECKS: ITEM	BOTTLENECKS: DESCRIPTION	MAJOR BRIDGES: LENGTH	MAJOR BRIDGES: DESCRIPTION
ROUTE 59F (AMS SERIES L509 SHEET NF 48-11) WJ 3322 TO WJ 3648 (JUNCTION WITH ROUTE 120B)				
This section of Route 59F is of improved natural earth, however, as of mid-1959 there had been no recent maintenance performed on it, and it is in poor condition; unsuitable for motorized vehicular traffic. There are no bottlenecks nor major bridges that would reduce the capacity of this route more than the basic roadway characteristics. (Information as of mid-1959).				
END OF REPORT ON ROUTE 59F				
ROUTE 670 (AMS SERIES L509 SHEET NF 48-11) WJ 5422 TO WJ 5337 (SON TAY)				
This section of Route 670 averages 4 meters in width; is of improved natural earth, and is in fair to good condition. There are no known bottlenecks on this route. Major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.				
WJ 5232	1		Approx 30 m.	Approx [redacted] wide
WJ 5235	2		Approx 30 m.	Approx 4 m. wide
END OF REPORT ON ROUTE 670				
ROUTE 120 B (AMS SERIES L509 SHEET NF 48-11) WJ 0084 TO WJ 5337 (SON TAY)				
There is no information available on this section of Route 120B. There is 1 bottleneck, listed below; referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.				
WJ 4445	3	Bridge [redacted] wide		
END OF REPORT ON ROUTE 120B				
ROUTE 1200 (AMS SERIES L509 SHEET NF 48-11) WJ 5337 (SON TAY) TO WJ 8626 (PAKOI)				
Route 1200 averages 4.3 meters in width; has a bituminous treated surface, and is in good condition. There are no bottlenecks on this route. There are 2 major bridges, listed below; referenced to the AMS Map Sheet by U M Grid Coordinates, and to the overlay by annotation number.				
WJ 6731	4		160 m.	3 m. wide
WJ 7927	5	[redacted] wide		
END OF REPORT ON ROUTE 1200				

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN NATIONALS EXCEPT NONE

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TOTAL PLAN FOR THE RECONNAISSANCE OF TRANSPORTATION ROUTES [illegible]

NORTH VIETNAM — MILITARY DATA FOR REVISION OF THE [illegible]

1 September 1961
Early 1961

(OVERLAY ANNOTATION NUMBER)	ITEM	DESCRIPTION	LENGTH	TYPE CONSTRUCTION	WIDTH
ROUTE 75J (AMS SERIES 1500 SHEET NF 48-11) WJ 8844 (JUNCTION WITH ROUTE 8711) TO WJ 4655 (JUNCTION WITH ROUTE 1300)					
Route 75J, from WJ 8844 to WJ 4655, averages 4.9 meters in width; has a bituminous treated surface, and is in good condition. There is no information available on this route from WJ 4655 to WJ 2408. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.					
WJ 8047	6	Bridge	[redacted] wide		
WJ 7749	7			54 m.	Steel; 2 spans	4 m. wide
WJ 7248	8	Bridge	3 m. wide		
WJ 6951	9			32 m.	Concrete	[redacted] wide
WJ 6852	10			45 m.		3 m. wide
WJ 6753	11			120 m.	On causeway	5 m. wide
WJ 6357	12	Bridge	[redacted] wide			
WJ 6256	13			[redacted]		3 m. wide
WJ 5955	14	Bridge	No details			
WJ 5693	15	Bridge	No details			
WJ 5553	16			No details		
WJ 5253	17	Bridge	No details			
WJ 5053	18	Bridge	No details			
WJ 4753	19	Bridge	No details			
WJ 4655	20			475 m.	4 spans	4 m. wide
END OF REPORT ON ROUTE 75J						
ROUTE 1300 (AMS SERIES 1500 SHEET NF 48-11) WK 0005 TO WJ 2991 (JUNCTION WITH ROUTE 75J)					
There is no information available on this section of Route 1300.					
END OF REPORT ON ROUTE 1300					
ROUTE 75K (AMS SERIES 1500 SHEET NF 48-11) WK 1400 (JUNCTION WITH ROUTE 1300) TO WK 0700					
There is no information available on this section of Route 75K.					
END OF REPORT ON ROUTE 75K					

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SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT BRITISH

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SECRET NOFORN

[illegible]

Country NORTH VIETNAM — [illegible] 1 September 1961 — Early 1961

Location	OVERLAY ANNOTATION NUMBER	WIDTH ITEM	WIDTH DESCRIPTION	LENGTH	LENGTH DESCRIPTION	RATE RATINGS
ROUTE 136D (AMS SERIES L509 SHEET NV 48-11) WJ 2408 (JUNCTION WITH ROUTES 75J AND 75K) TO WJ 7993						
There is no information available on this route from WJ 2408 to WJ 6394. From WJ 6394 to WJ 7993 it averages 3.5 meters in width; is lightly surfaced with gravel, and is in poor to fair condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
WJ 6594	21	Ford				
WJ 6593	22	Ford				
WJ 6593	23			Approx 65 m.	2 m. wide	Probably will not support motor vehicles. Ford adjacent.
WJ 6692	24	Bridge				Pedestrian use only; ford adjacent.
WJ 6692	25	Ford				
WJ 6892	26	Ford				
WJ 6892	27			111 m.	[redacted] wide	Ford adjacent provides bypass.
WJ 7194	28	Bridge	[redacted] wide			
WJ 7294	29	Bridge	[redacted] wide			
WJ 7493	30	Bridge	[redacted] wide			
WJ 7593	31	Bridge	[redacted] wide			

END OF REPORT ON ROUTE 136D

25X1D

25X1D

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

SECRET NOFORN

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TOTAL PLAN FOR THE MAINTENANCE OF TRANSPORTATION ROADS IN [illegible] PROJECTS

Country NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF [illegible]

1 September 1961
Early 1961

Location	OVERLAY ANNOTATION NUMBER	Type	Description	Length	Description
ROUTE 871 (AMS SERIES 1509 SHEET NF 48-11) WJ 9000 (JUNCTION WITH ROUTE 10(F)) TO WJ 8984 (JUNCTION WITH ROUTE 13(F))					

Route 871 averages 4.7 meters in width; has a gravel surface, and is in good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

WJ 8836	32	Bridge	[redacted] wide		
WJ 8836	33	Bridge	[redacted] wide		
WJ 8836	34	Bridge	[redacted] wide		
WJ 8843	35		[redacted]	81 m.	[redacted] wide
WJ 8954	36	Bridge	[redacted] wide		
WJ 9058	37		[redacted]	100 m.	[redacted] wide
WJ 9069	38	Bridge	[redacted] wide		
WJ 9074	39	Bridge	[redacted] wide		
WJ 9175	40	Bridge	[redacted] wide		
WJ 9079	41	Bridge	3 m. wide		
WJ 9081	42	Bridge	3 m. wide		
WJ 9081	43	Bridge	3 m. wide		
WJ 9081	44	Bridge	3 m. wide		
WJ 9081	45	Bridge	3 m. wide		

END OF REPORT ON ROUTE 871

25X1D

25X1D

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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TOTIA PLAN FOR THE MAINTENANCE OF TRANSPORTATION ROUTES [illegible]

Country: NORTH VIETNAM — HIGHWAY DATA FOR PROVISION OF DIS — 1 September 1961 — Early 1961

Location	Overlay Annotation Number	Bottlenecks: Item	Bottlenecks: Description	Major Bridges: Length	Major Bridges: Description
ROUTE 87J (AMS SERIES L509 SHEET NF 48-11) WJ 8084 (JUNCTION LINE ROUTE 13(F) TO AL PAO)					
This section of Route 87J averages 5 meters in width; has a gravel surface, and is in good condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.					
WJ 9081	46				Bypass under construction to WJ 8788
WJ 8887	47	Bridge	3 m. wide		
WJ 8390	48	Bridge	[redacted] wide		
WJ 8390	49			38 m.	[redacted] wide
WJ 7796	50	Bridge	3 m. wide		
WJ 7698	51	Bridge	[redacted] wide		
WJ 7698	52	Bridge	[redacted] wide		
WK 7408	53	Bridge	[redacted] wide		
WK 7310	54	Bridge	3 m. wide		
WK 7312	55	Bridge	3 m. wide		
WK 7313	56	Bridge	3 m. wide		
WK 7515	57	Bridge	[redacted] wide		
WK 7617	58	Bridge	3 m. wide		
WK 7718	59	Bridge	[redacted] wide		
WK 8020	60			[redacted] Deck	[redacted] wide
WK 8120	61	Bridge	[redacted] wide		
WK 8223	62	Bridge	3 m. wide		
WK 8224	63	Bridge	[redacted] wide		
WK 8224	64	Bridge	[redacted] wide		
WK 8224	65	Bridge	3 m. wide		
WK 8226	66	Bridge	3 m. wide		
WK 8327	67	Bridge	3 m. wide		
WK 8430	68	Bridge	3 m. wide		
WK 8430	69	Bridge	3 m. wide		
WK 8632	70			32 m.	3 m. wide
END OF BLOCK OF ROUTE 87J					

25X1D

25X1D

25X1D

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SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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67

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TOTIA FORM NO. [illegible] MAINTENANCE OF TRANSPORTATION MAPS INTELLIGENCE DOCUMENTS

COUNTRY NORTH VIETNAM — HIGHWAY DATA FILE REVISION FORMS — 1 September 1961 / Early 1961

LOCATION	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	DESCRIPTION	LENGTH	MAJOR BRIDGES DESCRIPTION	

ROUTE 100E (AMS SERIES L509 SHEET NF 48-11) WJ 9328 (JUNCTION WITH ROUTE 10[illegible]) TO XJ 0122

This section of Route 100E averages 6.1 meters in width; has a bituminous treated surface, and is in good condition. There are no bottlenecks on this section of this route. There is 1 major bridge, listed below; referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

WJ 9725	71		55 m.	Deck; 3 span	3 m. wide

END OF REPORT ON ROUTE 100E

ROUTE 105H (AMS SERIES L509 SHEET NF 48-11) WJ 8926 (FAXOI) TO XJ 3467 (KEP)

Route 105H, from WJ 8926(FAXOI) to XJ 1550, averages 6 meters in width; has a bituminous treated surface, and is in good condition. From XJ 1550 to XJ 2453 it averages 6 meters in width; has a gravel surface, and is in good condition. From XJ 2453 to XJ 3467 (KEP) it averages 4.5 meters in width; has a gravel surface, and is in good condition. There are no known bottlenecks on this route. There are 4 major bridges, listed below; referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

WJ 8927	72		1679 m.	19 spans; Highway/RR	2 vehicle lanes plus RR
WJ 9531	73		229 m.	5 spans	[redacted] wide
XJ 1345	74		166 m.	5 spans	[redacted] wide
XJ 2353	75		128 m.	4 spans	[redacted] wide

END OF REPORT ON ROUTE 105H

25X1D

ROUTE 121H (AMS SERIES L509 SHEET NF 48-11) XJ 3022 TO XJ 3535 (SAIT PAGODAS/ JUNCTION WITH ROUTE 124F)

There is no information available on this section of Route 121H.

END OF REPORT ON ROUTE 121H

SPECIAL HANDLING REQUIRED NOT DISSEMINATED TO FOREIGN NATIONALS

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TOTIA FORM [illegible] MILITARY DATA FOR REVISION OF [illegible]

1 September 1961
Early 1961

NORTH VIETNAM

OVERLAY ANNOTATION NUMBER	ITEM	DESCRIPTION	LENGTH	DESCRIPTION
ROUTE 1247 (AMS SERIES L509 SHEET NF 48-11) XJ 1142 (JUNCTION WITH ROUTE 1059/ 942 NINH) TO XJ 5632				

This section of Route 1247, from XJ 1142 to XJ 3536, averages 5.5 meters in width; has a bituminous treated surface with sections remired with gravel, and is in fair condition. Information pertaining to bottlenecks on this section is limited. There is no information available on the section from XJ 3536 to XJ 5632. There are 2 bottlenecks, listed below; referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XJ 2337	76	Bridge	3 m. wide	
XJ 3536	77	Ferry	234 m. crossing	

END OF REPORT ON ROUTE 1247

ROUTE 1367 (AMS SERIES L509 SHEET NF 48-11) XJ 8084 (JUNCTION WITH ROUTES 871 AND 873) TO XJ 3467 (JUNCTION WITH ROUTES 1059 AND 1051)

Route 1367 averages 4.3 meters in width; is lightly surfaced with gravel, and is in poor to fair condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XJ 9186	78		147 m.	7 spans; Aton dam	3 m. wide
XJ 9386	79		34 m.		3 m. wide
XJ 9486	80		32 m.		3 m. wide
XJ 0286	81	Ford			
XJ 0486	82	Ford			
XJ 1382	83	Ford			
XJ 1580	84	Ford			
XJ 2271	85	Ford			
XJ 2571	86	Ford			

END OF REPORT ON ROUTE 1367

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

ROUTE 1051 (AMS SERIES L509 SHEET NF 48-11) XJ 3467 (JUNCTION WITH ROUTE 1367) TO XJ [illegible]

This section of Route 1051 averages 3.8 to [illegible] meters in width; is lightly surfaced with gravel, and is in good condition. The bottlenecks and major bridge listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XJ 3472	87		76 m.	3 m. wide
XJ 4079	88	Ferry	50 m. crossing	

END OF REPORT ON ROUTE 1051

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[illegible]

[illegible] NORTH VIETNAM — 1 September 1961 — Early 1961

OVERLAY ANNOTATION NUMBER	ITEM	DESCRIPTION	LENGTH	DESCRIPTION

ROUTE 95K (AMS SERIES L509 SHEET NF 48-11) WJ 8788 (JUNCTION WITH ROUTE 95J) TO XK 4433

This section of Route 95K, from WJ 8788 to XK 4328, averages 4.2 meters in width; is lightly surfaced with gravel, and is in fair condition. From XK 4328 to XK 4433 it averages 3.6 meters in width; is of improved natural earth, and is in poor condition. There is a change in alinement from WJ 8891 to WJ 9499 (old alinement not in use); and a bypass from WJ 8892 to WJ 8895. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

25X1D

25X1D

WJ 8889	89		[redacted]	
WJ 8892	90	Ford		(a bypass; not on Route 95K
WJ 8898	91	Bridge	[redacted] wide	
WK 9801	92	Bridge	[redacted] wide	
WK 0002	93	Bridge	[redacted] wide	
XK 1005	94	Bridge	3 m. wide	
XK 2111	95	Bridge	[redacted] wide	

25X1D

END OF REPORT ON ROUTE 95K

ROUTE X-63 (AMS SERIES L509 SHEET NF 48-11) WJ 8827 (HANOI) TO WJ 7348 (JUNCTION WITH ROUTE 76J)

This route averages 4 meters in width; is of improved natural earth, and is in poor to fair condition. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

WJ 8133	96	Ferry	
WJ 7641	97	Bridge	3 m. wide
WJ 7445	98	Bridge	3 m. wide

END OF REPORT ON ROUTE X-63

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

ROUTE X-64 (AMS SERIES L509 SHEET NF 48-11) XJ 1722 TO XJ 1141 (JUNCTION WITH ROUTE 100F/ [illegible])

This route averages 3.5 meters in width; has a bituminous treated surface, and is in fair condition. There is 1 bottleneck, listed below; referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XJ 1430	99	Ferry

END OF REPORT ON ROUTE X-64

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[illegible]

[illegible] NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF [illegible] — 1 September 1961 / Early 1961

OVERLAY ANNOTATION NUMBER	ITEM	DESCRIPTION	LENGTH	DESCRIPTION
ROUTE X-5 (AMS SERIES L500 SHEET NF 48-11) XJ 2[illegible] (JUNCTION [illegible]) TO XJ [illegible]				

This route averages 4.8 meters in width; is lightly surfaced with gravel, and is in good condition. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XJ 3355	100	Bridge	3 m. wide	
XJ 3555	101	Bridge	3 m. wide	
XJ 4256	102	Bridge	[redacted] wide	

END OF REPORT ON ROUTE X-5

ROUTE X-6 (AMS SERIES L500 SHEET NF 48-11) XK 4[illegible] (JUNCTION [illegible]) TO XK [illegible]

This route averages 3.6 to 5 meters in width; is of improved natural earth with sections of light gravel, and is in good condition. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XK 4677	103	Bridge	[redacted] wide	
XK 5017	104	Bridge	[redacted] wide	

END OF REPORT ON ROUTE X-6

END OF REPORT ON ROUTES [illegible] IN THE AMS SERIES L500 MAP SHEET NF 48-11

25X1D

25X1D

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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SECTION XIV
AP 13-41

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS map Sheet XT 48-10, Series 1509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 15.

NIS selected route numbers included in this section of the study are:

100A
100B
100D
100C

NATIONALS EXCEPT ...

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[illegible] FORM FOR THE MAINTENANCE OF [illegible] DOCUMENTS

NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF [illegible]

1 September 1961
Early 1961

OVERLAY ANNOTATION NUMBER	I.D.	DESCRIPTION	LENGTH	DESCRIPTION
ROUTE 1001 (AMS SERIES L500 SHEET NF 48-10) UJ 4598 TO UJ 8469 (PN 1A)				

This section of Route 1001 averages 5.5 to 7 meters in width; has a surface of gravel or crushed stone, and the condition is good. There has been recent improvement in alinement, and some of the fords have been replaced by bridges and culverts. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

UJ 5982	1		New alinement to UJ 6080
UJ 6373	2		Ford replaced by culvert
UJ 6571	3		Ford replaced by culvert
UJ 6969	4		Ford replaced by bridge
UJ 6970	5		New alinement and widened to UJ 7286
UJ 7368	6		Ford replaced by bridge
UJ 7962	7		Ford replaced by culvert; surface and alinement improved
UJ 8361	8	Ford	New alinement; culvert under construction to replace ford
UJ 8759	9		New alinement; bridge under construction, [redacted] wide, [redacted] long

25X1D
25X1D

END OF REPORT ON ROUTE 1001

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NOFORN

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TOTIA PLAN FOR THE RAINY SEASON OF TRANSPORTATION [illegible]

Country: NORTH VIETNAM		Subject: HIGHWAY DATA FOR REVISION OF [illegible]				Date of Report: September 1961 Date of Information: Early 1961
Location	OVERLAY ANNOTATION NUMBER	BRIDGE WIDTH		BRIDGE LENGTH		Remarks
		ITEM	DESCRIPTION	LENGTH	DESCRIPTION	
ROUTE 100B (AMS SERIES L509 SHEET NF 48-10) UJ 8859 (SCH 1A) TO VJ 3822						
This section of Route 100B averages 5 to 7 meters in width; has a surface of crushed stone or gravel, and is in good condition. There has been recent improvement in alinement, and some fords have been replaced by bridges and culverts. There is no information on this route from UJ 8957 to UJ 9454. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
UJ 8859	10	Ford				Probably to be eliminated when bridge(Annotation No. 9, Rt. 100A) is completed
UJ 8958	11	"				Ford eliminated
UJ 8958	12			[redacted]		Ford eliminated
UJ 9651	13				1 span, concrete deck	Under construction [redacted] wide
UJ 9849	14					Bridge eliminates ford
UJ 9849	15					New alinement to UJ 9947
UJ 9947	16					Bridge replaces ford
VJ 1337	17					New alinement to VJ 2134
VJ 2033	18	Ford				New alinement bypasses this ford(formerly a bridge)
VJ 2033	19					Bottleneck bridge eliminated by new alinement
VJ 2132	20	Bridge	3 m. wide			
VJ 2329	21	Bridge	3 m. wide			
VJ 2528	22	Bridge	3 m. wide			
VJ 2628	23	Bridge	3 m. wide			
VJ 2827	24	Bridge	3 m. wide			
VJ 2827	25	Bridge	3 m. wide			
VJ 2927	26			[redacted]	Deck, thru truss	Limited vertical clearance
VJ 3127	27	Bridge	3 m. wide			
VJ 3425	28	Ford	33 m. crossing			
VJ 3723	29	Bridge	3 m. wide			
VJ 3723	30	Bridge	3 m. wide			
END OF REPORT ON ROUTE 100B						

25X1D

25X1D

25X1D

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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NORTH VIETNAM — HIGHWAY DATA FOR PROVINCE OF NIB — 1 September 1961 / Early 1961

OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	DESCRIPTION	LENGTH	MAJOR BRIDGES DESCRIPTION

ROUTE 1208 (AMS SERIES 1509 SHEET NF 48-10) YJ 9084 TO YJ 8,99 (SOUTH BANK OF RED RIVER - CHUSIA YEN BAY)

This section of Route 1208 averages 2 meters in width; is of improved natural earth, however, it has not been maintained, is in poor condition, and is unsuitable for motorized traffic. There are no bottlenecks or major bridges that would reduce the capacity of this route to any extent greater than caused by the basic roadway characteristics.

END OF REPORT ON ROUTE 1208

ROUTE 1300 (AMS SERIES 1509 SHEET NF 48-10) YJ 8899 (YEN BAY) TO YK 9906

This section of Route 1300 averages 4.5 to 5 meters in width; has a surface of crushed stone or gravel, and is in good condition. There has been recent improvement in alinement, and fords have been replaced by bridges or culverts. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

YK 8901	31	Bridge	3 m. wide	
YK 9101	32	Bridge	3 m. wide	
YK 9202	33	Bridge	3 m. wide	
YK 9202	34	Bridge	3 m. wide	
YK 9303	35	Bridge	3 m. wide	
YK 9403	36	Bridge	3 m. wide	
YK 9504	37			Ford eliminated
YK 9505	38			Ford eliminated
YK 9606	39			Ford eliminated
YK 9607	40			Ford replaced by bridge
YK 9607	41			Ford replaced by bridge

END OF REPORT ON ROUTE 1300

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF NIS

1 September 1961
Early 1961

OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	DESCRIPTION	MAJOR BRIDGES LENGTH	DESCRIPTION

ROUTE X-7 (AMS SERIES L509 SHEET NF 48-10) UJ 7270 (JUNCTION WITH ROUTE 100A) TO UJ 6395 (BAN HA)

This route extends NNW from its junction with Route 100A to the bank of the Black River. From UJ 7270 (Junction with Route 100A) to UJ 7274 it averages 3.9 meters in width; has a gravel surface, and is in fair condition. From UJ 7274 to UJ 6395 it averages 2.4 meters in width; is of improved natural earth, and is in poor to fair condition. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

UJ 7271	42	Ford		
UJ 7271	43	Bridge	3 m.	wide
UJ 6584	44	Bridge	[redacted]	wide
UJ 6685	45	Ford		
UJ 6686	46	Ford		
UJ 6391	47	Ford		
UJ 6391	48	Ford		
UJ 6392	49	Ford		
UJ 6394	50	Ford		

END OF REPORT ON ROUTE X-7

25X1D

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

ROUTE X-8 (AMS SERIES L509 SHEET NF 48-10) UJ 8759 (SON LA) TO UJ 0371 (BAN MANG)

This route extends NE from its junction with Routes 100A and 100B at SON LA to UJ 0371 (BAN MANG) on the south bank of the Black River. It averages 3.5 meters in width; has a gravel surface, and is in fair to good condition. There are some narrow bridges and fords on this route, however, there is no detailed information available as to their location.

END OF REPORT ON ROUTE X-8

ROUTE X-9 (AMS SERIES L509 SHEET NF 48-10) UJ 7348 TO UJ 6454 (JUNCTION WITH ROUTE 100B)

This route averages 3 to 4 meters in width; has a gravel surface, and is in fair to good condition. There are some bottlenecks, however there is no detailed information as to their location.

END OF REPORT ON ROUTE X-9

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TOTIA WORK FOR THE MAINTENANCE OF TRANSPORTATION MAPS INTELLIGENCE DIVISIONS

NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF LIS — 1 September 1961 / Early 1961

OVERLAY ANNOTATION NUMBER	WORK NEEDED: ITEM	DESCRIPTION	MAP LIMITING: LENGTH	DESCRIPTION

ROUTE X-10 (AMS SERIES L509 SHEET NF 48-10) VJ 9545 (JUNCTION WITH ROUTE X-9) TO VJ 0145 (JUNCTION WITH ROUTE 100B

This route averages 1.9 to 2.4 meters in width; is of improved natural earth, and is in fair condition. There are no bottlenecks or major bridges that would reduce the capacity of this route to any extent greater than caused by basic roadway characteristics.

END OF REPORT ON ROUTE X-10

ROUTE X-11 (AMS SERIES L509 SHEET NF 48-10) VJ 1722 TO VJ 1734 (JUNCTION WITH ROUTE 100B)

This route averages 2.3 to 3.3 meters in width; is of improved natural earth with gravel in sections, and is in poor to fair condition. There is one ford, listed below; referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

VJ 1728	51	Ford

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

END OF REPORT ON ROUTE X-11

ROUTE X-12 (AMS SERIES L509 SHEET NF 48-10) VJ 1737 (JUNCTION WITH ROUTE 100B TO VK 8600 (YEN BAY)

This route averages 3.6 to 4.5 meters in width; has a gravel surface, and is in fair condition. It has numerous steep grades and sharp curves in some sections, however construction is in progress to eliminate some of these. There is no information available on this route from VJ 1043 to VJ 3046, from VJ 6757 to VJ 7275, from VJ 7626 to VJ 7679; [redacted] Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

VJ 3445	52	Ferry	213 m. crossing		Across Black River	
VJ 3948	53	Ford				
VJ 4249	54	Ford	[redacted]	Thru truss, 2 spans	Concrete and steel [redacted] wide	25X1D
VJ 4947	55					
VJ 6043	56	Ford				25X1D
VJ 6248	57	Ford		Wood deck [redacted] wide	Multiple span	25X1D
VJ 6561	58				New alinement; old abandoned	
VJ 7557	59					25X1D
VJ 7892	60	Bridge	3 m. wide	Concrete deck	[redacted] wide	
VJ 7993	61					

(ROUTE X-12 CONTINUED ON NEXT PAGE)

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TOTIA FORM FOR MAINTENANCE OF TRANSPORTATION CORPS INTELLIGENCE DOCUMENTS

Country: NORTH VIETNAM		Subject: HIGHWAY DATA FOR REVISION OF NIS				Date of Report: 1 September 1961 Date of Information: Early 1961
Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS		MAJOR BRIDGES		Remarks
		ITEM	DESCRIPTION	LENGTH	DESCRIPTION	
(ROUTE X-12 CONTINUED FROM PRECEDING PAGE)						
VJ 8299	62	Bridge	3 m. wide			
VJ 8499	63	Ford				
VK 8600	64	Ferry	169 m. crossing			Across Red River
		END OF REPORT ON ROUTE X-12				
ROUTE X-13 (AMS SERIES L509 SHEET NF 48-10) VJ 7025 TO VJ 6041 (JUNCTION WITH ROUTE X-12)						
This route averages 4.5 to 5.1 meters in width; has a gravel surface, and is in good condition. Some improvement in alinement is progress, and some new bridges are being constructed. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
VJ 7025	65					New alinement from this point to VJ 6930 (P. MUNG). Alinement as shown on AMS Map is abandoned. Existence of route S of VJ 7025 cannot be confirmed.
VJ 6927	66	Ferry	188 m. crossing			Across Black River
VJ 6931	67	Bridge	No details			Under construction
VJ 6932	68	Bridge	No details			Under construction
VJ 6933	69	Bridge	No details			Under construction
VJ 6436	70	Bridge	No details			
VJ 6338	71	Bridge	No details			
VJ 6239	72	Bridge	No details			
VJ 6142	73	Bridge	No details			
		END OF REPORT ON ROUTE X-13				

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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TOTIA FORM

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TOTIA PLAN FOR THE MAINTENANCE OF TRANSPORTATION MAPS INTELLIGENCE DOCUMENTS

1 September 1961
Early 1961

NORTH VIETNAM

HIGHWAY DATA FOR REVISION OF NIS

	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	DESCRIPTION	MAJOR BRIDGES LENGTH	DESCRIPTION
ROUTE X-14 (AMS SERIES L509 SHEET NF 48-10) VJ 7476 (JUNCTION WITH ROUTE X-13) TO VK 0333					
This route, from VJ 7476 to VK 2709, averages 3 meters in width; has a gravel surface, and is in fair condition. There is no detailed information available on this route from VK 2709 to VK 0333. There is 1 major bridge, listed below; referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.					
VJ 5186	74			58 m.	Concrete [redacted] wide
END OF REPORT ON ROUTE X-14					
ROUTE X-15 (AMS SERIES L509 SHEET NF 48-10) VK 8700 (YEN BAY) TO VK 5232					
This route, from VK 8700 (YEN BAY) to VK 8306, averages 4.5 to 5.1 meters in width; has a gravel surface, and is in good condition. From VK 8306 to VK 5732 it averages 2 meters in width; is of improved natural earth, and is in poor to fair condition. There has been some improvement in alinement on the entire route. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.					
VK 8304	75	Bridge	[redacted] wide	Thru truss, [redacted] long	Limited overhead clearance
VK 8305	76				New road to VK 8606 (Industrial area) [redacted] wide
END OF REPORT ON ROUTE X-15					
ROUTE X-16 (AMS SERIES L509 SHEET NF 48-10) VJ 9986 TO VK 8700 (YEN BAY)					
This route averages 1.8 to 2.4 meters in width; is of improved natural earth, and is in poor condition. From VJ 9986 to VJ 9887 (Y. SON) it is deteriorated to an extent that it is probably unsuitable for motorized traffic. However,, a bypass road extends NE from VJ 9887 (Y. SON) (Shown on AMS Map Sheet NF 48-11 as leading southward to a junction with the road that would be an extension of Route X-16) This bypass road averages 4.5 meters in width, has a gravel surface, and is in good condition. Route X-16 from YEN BAY and the bypass road are probably used as a logistical route rather than NIS selected Route 1203 on the opposite side of the Red River. There are no bottlenecks or major bridges on this route that would reduce the capacity to any extent greater than caused by basic roadway characteristics.					
END OF REPORT ON ROUTE X-16					

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SPECIAL HANDLING REQUIRED
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Country NORTH VIETNAM | [illegible] HIGHWAY DATA FOR REVISION OF MIS | 1 September 1961 [illegible] early 1961

Location	OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	BOTTLENECKS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION	Remarks
ROUTE X-17 (AMS SERIES L509 SHEET NF 48-10) VK 9809 (JUNCTION WITH ROUTE 1302) TO VK 7831						
This route averages 4.5 meters in width; has a gravel surface, and is good condition. There has been some recent improvement in alinement, and 4 of the 5 bridges on this route have measurements that preclude classification as bottlenecks. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
VK 9319	77	Ford				
VK 9222	78	Ford				
VK 8425	79	Ferry	168 m. crossing			
VK 7831	80	Bridge	[redacted] wide			
END OF REPORT ON ROUTE X-17						
ROUTE X-18 (AMS SERIES L509 SHEET NF 48-10) VK 9023 (JUNCTION WITH ROUTE X-17) TO VK 9833						
This route averages 3.5 meters in width; has a gravel surface, and is in fair to good condition. The data on this route also includes that on a road from VK 9124 to VK 8533 that averages 1.7 to 2 meters in width; is of improved natural earth, and is in fair condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
VK 9023	81	Ferry	145 m. crossing			
VK 9729	82	Ford				
VK 8730	83			61 m.	Wood deck	[redacted] wide
END OF REPORT ON ROUTE X-18						
END OF REPORT ON ROUTES IN THE AREA COVERED BY MAP SHEET NF 48-10						

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SECTION XV
AP 13-61

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS Map Sheet XF 48-9, Series 1509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 16.

NIS selected route numbers included in this section of the study are:

15A
100A

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NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF NIS — 1 September 1961, Early 1961

OVERLAY ANNOTATION NUMBER	ITEM	DESCRIPTION	LENGTH	DESCRIPTION
ROUTE 100A (ANS SERIES 1500 SHEET NF 48-9) TJ 9447 (LAOS BORDER TO UJ 4088				
This section of Route 100A averages 4.5 meters in width; is lightly surfaced with gravel, and is in poor to fair condition. It has numerous sharp curves and steep grades. The alinement varys, in sections, from that shown on referenced map sheet. From UJ 1689 to UJ 3387 construction is in progress, improving alinement and drainage. Bottlenecks listed below are referenced to the ANS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.				
TJ 9355	1	Ford	[redacted] crossing	
UJ 0075	2	Ford	17 m. crossing	
UJ 0379	3	Ford	2 m. crossing	
UJ 0479	4	Bridge	[redacted] wide	
UJ 0579	5	Ford	4 m. crossing	
UJ 0680	6	Ford	[redacted] crossing	
UJ 1986	7	Ford	[redacted] crossing	
UJ 1985	8	Ford	36 m. crossing	
UJ 2584	9	Bridge		3 piers, 4 spans — Under construction
UJ 2982	10	Ford	32 m. crossing	
UJ 3387	11	Ford		Bridge under construction
UJ 3689	12	Ford	[redacted] crossing	
UJ 3688	13	Ford	11 m. crossing	
UJ 4087	14	Ford	[redacted] crossing	
END OF REPORT ON ROUTE 100A				
ROUTE 15B (ANS SERIES 1500 SHEET NF 48-9) UJ 3680 (JUNCTION WITH ROUTE 100A) TO UK 1124				
This section of Route 15B averages 4.5 meters in width; is lightly surfaced with gravel, and is in poor to fair condition. It has numerous sharp curves and steep grades. From UJ 3680 to UK 2405 there has been some improvement in alinement and drainage. Bottlenecks and major bridges listed below are referenced to the ANS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.				
UK 2604	15	Bridge	[redacted] wide	
UK 2309	16		56 m.	deck, 3 spans — [redacted] wide
UK 2315	17	Bridge	No details	
UK 1824	18	Ford		
END OF REPORT ON ROUTE 15B				

25X1D

25X1D

25X1D

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TITLE FOR USE IN MAINTENANCE OF CHRONOLOGICAL CROSS REFERENCE DOCUMENTS

NORTH VIETNAM — HISTORY DATA FOR REVISION OF MIS — 1 September 1961 / Early 1961

OVERLAY ANNOTATION NUMBER	SETTLEMENTS ITEM	SETTLEMENTS DESCRIPTION	MAJOR BRIDGES LENGTH	MAJOR BRIDGES DESCRIPTION

ROUTES X-32, X-33, X-34, X-35, X-36 (AMS SERIES L509 SHEET NF 48-9)

ROUTE X-32 (UJ 0339 TO TJ 9456) averages 2.4 meters in width; is of improved earth ., and is in poor condition. It has numerous sharp curves and steep grades. It has 2 fords: at UJ 0142 (10 m. crossing), and at TJ 9853 (18 m. crossing).

ROUTE X-33 (TJ 7858, LAOS Border, TO TJ 9467, DIEN BIEN PHU) averages 1.5 meters in width; is of improved natural earth, and is in poor condition. It has numerous sharp curves and steep grades. It has a bridge: 33 meters long, [redacted] wide, at TJ 9367. 25X1D

ROUTE X-34 (UJ 0075 TO UJ 0579) averages 2 meters in width; is lightly surfaced with gravel, and is in poor to fair condition. It has numerous sharp curves and steep grades.

ROUTE X-35 (UK 3104 TO UK 4212) averages 2 meters in width, is of improved natural earth, and is in poor condition. It has several sharp curves and steep grades, however, there is some construction in progress to improve gradient and alinement. It has one ford at UK 3305.

ROUTE X-36 (UK0842 TO UK 0934) averages [redacted] in width; is of improved natural earth, and is in poor condition. 25X1D

END OF REPORT ON ROUTES X-32, X-33, X-34, X-35, AND X-36

END OF REPORT ON ROUTES IN THE AREA SHOWN ON MAP SHEET NF 48-9

SPECIAL HANDLING REQUIRED
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SECTION XVI
AP 13-61

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS Map Sheet NF 48-8, Series L509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 17.

NIS selected route numbers included in this section of the study are:

105J
105K

SPECIAL HANDLING DIRECTIVE

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TOTIA FORM FOR THE [illegible] OF TRANSPORTATION [illegible] INTELLIGENCE [illegible]

FILE BY [illegible]

NORTH VIETNAM

1 September 1961
Early 1961

OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	DESCRIPTION	LENGTH	DESCRIPTION	BRIDGES DESCRIPTION	
ROUTE 105J (AMS SERIES L509 SHEET NF 48-8) XX 7134 TO XX 5559						
This section of Route 105J averages 3 meters in width; has [redacted] gravel surface, and is in poor to fair condition. It has numerous steep grades and sharp curves. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.						
XX 7035	1	Bridge	[redacted] wide			
XX 6935	2	Bridge	[redacted] wide			
XX 6837	3	Bridge	[redacted] wide			
XX 6838	4	Bridge	[redacted] wide			
XX 6640	5	Bridge	[redacted] wide	[redacted]	Steel/concrete	Deck; [redacted] wide
XX 6443	6				Steel/concrete	Deck; [redacted] wide; 3 spans
XX 6050	7					
XX 6051	8	Bridge	[redacted] wide		Steel, deck	[redacted] wide
XX 5952	9					
XX 5754	10	Bridge	3 m. wide			
XX 5755	11	Bridge	3 m. wide			
XX 5656	12	Bridge	[redacted] wide	156 m.	Steel girder	[redacted] wide
XX 5559	13					

END OF REPORT ON ROUTE 105J

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25X1D
25X1D
25X1D
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25X1D

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TITLE FOR USE IN THE MAINTENANCE OF TRANSPORTATION MAPS [illegible]

NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF NIS — 1 September 1961 / Early 1961

OVERLAY ANNOTATION NUMBER	ROUTE DETAILS ITEM	DESCRIPTION	MAJOR BRIDGES LENGTH	DESCRIPTION
ROUTE 105K (AMS SERIES 1509 SHEET NF 48-8) XL 5419 TO XL 5927 (CHINA BORDER)				

This section of Route 105K, from XL 5419 to XL 5726, averages 4[redacted] meters in width; is of improved natural earth, and is in poor to fair condition. From XL 5726 to XL 6530 it averages 2.7 meters in width; is lightly surfaced with gravel, and is in poor to fair condition. From XL 6530 to XL 5936 (China Border) it averages 2.7 meters in width; is of improved natural earth, and is in poor to fair condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XL 5519	14			Masonry deck	4 spans
XL 5623	15	Bridge	[redacted] wide		
XL 5827	16	Bridge	wide		
XL 5827	17	Bridge	wide		
XL 6530	18			70 m.	Wood, 7 spans
XL 6531	19	Bridge	wide		
XL 6233	20	Bridge	wide		

25X1D

25X1D

END OF REPORT ON ROUTE 105K

ROUTE X-37 (AMS SERIES 1509 SHEET NF 48-8) XK 6348 (JUNCTION WITH ROUTE 105J) TO XK 7457 (CHINA BORDER)

This route, from XK 6348 to XK 6852, averages 2.2 meters in width; is of improved natural earth, and is in poor condition. From XK 6852 to XK 7457 it averages 1.6 meters in width, is of improved natural earth, and is in poor condition. there are no bottlenecks that would reduce the capability of this route to an extent greater than the basic roadway characteristics.

END OF REPORT ON ROUTE X-37

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT [illegible]

ROUTE X-38 (AMS SERIES 1509 SHEET NF 48-8) XK 5567 TO XK 6275

This route, from XK 5567 to XK 5773, averages 2.2 meters in width; is lightly surfaced with gravel, and is in poor to fair condition. From XK 5773 to XK 6275 it averages 1 meter in width; has a surface of improved natural earth, and is in poor condition. It has 1 bottleneck, listed below; referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XK 5671	21	Bridge	2 m. wide

END OF REPORT ON ROUTE X-38

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TOPIA TOUR FOR THE MAINTENANCE OF TRANSPORTATION COURSE INTELLIGENCE DOCUMENTS

NORTH VIETNAM — FILE RAY DATA FOR REVISION OF NIS — 1 September 1961 — Early 1961

OVERLAY ANNOTATION NUMBER	BOTTLENECKS ITEM	DESCRIPTION	MAJOR BRIDGES LENGTH	DESCRIPTION

ROUTE X-39 (AMS SERIES L509 SHEET NF 48-8) XX 5496 TO XX 6386, AND XX 5490 TO XX 5692

This route, from XX 5496 to XX 6386, averages 2.8 meters in width; is of improved natural earth, and is in poor to fair condition. From XX 5490 to XX 5692 it averages 3.3 meters in width; is lightly surfaced with gravel, and is in poor to fair condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XX 5592	22	Ferry	[redacted] crossing		
XX 5791	23	Bridge	[redacted] wide		
XX 6385	24			58 m.	Wood deck

END OF REPORT ON ROUTE X-39

25X1D

ROUTE X-40 (AMS SERIES L509 SHEET NF 48-8) XL 5429 TO XL 8119, AND XL 5426 TO XL 5726

This route, from XL 5496 to XL 8119, averages 2.2 meters in width; is of improved natural earth, and is in poor to fair condition. From XL 5426 to XL 5726 it averages 3.6 meters in width; is improved natural earth with gravel patches, and is in fair condition. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XL 5627	25	Bridge	[redacted] wide
XL 6524	26	Bridge	[redacted] wide
XL 6825	27	Bridge	[redacted] wide
XL 7528	28	Bridge	[redacted] wide
XL 7926	29	Bridge	No details
XL 8125	30	Bridge	No details
XL 8123	31	Bridge	[redacted] wide

END OF REPORT ON ROUTE X-40

25X1D

25X1D

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END OF REPORT ON ROUTES IN THIS AREA SHOWN ON MAP SHEET NF 48-8

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SECTION VIII
AP 13-61

This section of the study cites information on highways of North Vietnam located in the geographical area shown on AMS Map Sheet NF 48-7, Series 1509, Scale 1:250,000; and is referenced to annotations on the attached overlay, Inclosure Number 18.

The selected route numbers included in this section of the study are:

75E
75L
87J
87K
95E
105J
109E
140E

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TOPIC: [illegible] MAINTENANCE OF TRANSPORTATION [illegible] INTELLIGENCE DOCUMENTS

1 September 1961
Early 1961

COUNTRY: NORTH VIETNAM

RAILWAY DATA FOR REVISION OF NIS

OVERLAY ANNOTATION NUMBER	ITEM	DESCRIPTION	LENGTH	DESCRIPTION

ROUTE 75K (AMS SERIES L509 SHEET NF 48-7) WK 0732 TO WK 0945

There is no information available on this section of Route 75K.

END OF REPORT ON ROUTE 75K

ROUTE 75L (AMS SERIES L509 SHEET NF 48-7) WL 0017 TO WL 0019

There is no information available on this section of Route 75L.

END OF REPORT ON ROUTE 75L

ROUTE 87J (AMS SERIES L509 SHEET NF 48-7) VK 8633 TO VK 8740 (BAC KAN)

This section of Route 87J averages 3 meters in width; has a gravel surface, and is in fair to good condition. There are some steep grades and sharp curves on this section. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

VK 8837	1	Bridge	[redacted]	wide
VK 9043	2	Bridge	[redacted]	wide
VK 9044	3	Bridge	[redacted]	wide
VK 8944	4	Bridge	[redacted]	wide
VK 8746	5	Bridge	No details	

END OF REPORT ON ROUTE 87J

25X1D

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TOTIA FORM FOR THE MAINTENANCE OF TRANSPORTATION DATA INTELLIGENCE DOCUMENTS

COUNTRY NORTH VIETNAM — HIGHWAY DATA FOR REVISION OF NIS — 1 September 1961 — Early 1961

OVERLAY ANNOTATION NUMBER	ITEM	DESCRIPTION	LENGTH	DESCRIPTION

ROUTE 87K (AMS SERIES L509 SHEET NF 48-7) WK 8649 (BAC KAN) TO WL 7037 (BAC LAC)

Route 87K, from WK 8649 (BAC KAN) to WK 9275, averages 2 meters in width; is of improved natural earth with gravel in sections, and is in poor to fair condition. From WK 9275 to WL 8403 it averages 2.1 meters in width; is of improved natural earth with gravel in sections, and is in poor condition. From WL 8403 to WL 8906 it averages 2.7 meters in width; has a gravel surface, and is in fair condition. From WL 8906 to WL 7037 (BAC LAC) it averages 1.5 meters in width; is of improved natural earth, and is in poor condition. There are sharp curves and steep grades in sections throughout the entire distance of the route. There is no detailed information available on bottlenecks on the section from WL 4903 to WL 7037 (BAC LAC). Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

WK 8749	6			100 m.	Deck; 3 span	[redacted] wide
WK 8850	7	Bridge	[redacted] wide			
WK 9156	8			41 m.	Deck; 3 span	[redacted] wide
WK 9164	9	Bridge	wide			
WK 9264	10	Bridge	wide			
WK 9370	11	Bridge	wide			
WK 9370	12	Bridge	wide			
WK 9270	13	Bridge	wide			
WK 9271	14	Bridge	wide			
WK 9274	15	Bridge	wide			
WK 9275	16	Bridge	wide			
WK 9077	17	Bridge	wide			
WK 8882	18	Bridge	wide			
WK 8684	19	Bridge	wide			
WK 8684	20	Bridge	wide			
WK 8488	21	Bridge	wide			
WK 8793	22	Bridge	[redacted] wide			

END OF RAN'NT ON ROUTE 87K

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[illegible] VICINTE VIETNAM — HIGHWAY DATA FOR REVIEW OF [illegible] — 1 September 1961, Early 1961

OVERLAY ANNOTATION NUMBER	ITEM	DESCRIPTION	BRIDGE	DESCRIPTION

ROUTE 160X (AMS SERIES L509 SHEET NF 48-7) YK 9275 TO XL 3006 (CAO BANG)

Route 160X averages 2 meters in width; is of improved natural earth with gravel in sections, and is in poor to fair condition. There is a change in alinement from XL 2703 to XL 2769. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

YK 9476	23	Bridge	[redacted]	wide		
YK 9676	24	Bridge	[redacted]	wide		
XK 0886	25	Bridge	[redacted]	wide		
XK 1087	26	Bridge	2 m. wide			
XK 2197	27	Ford	23 m. crossing			
XL 2907	28			116 m.	3 span	[redacted] wide

END OF REPORT ON ROUTE 160X

25X1D

25X1D

ROUTE 95X (AMS SERIES L509 SHEET NF 48-7) XK 4833 TO XK 5261 (JUNCTION WITH ROUTE 105J)

This section of Route 95X averages 3 meters in width; is of improved natural earth with some sections of gravel, and is in poor condition. It has numerous steep grades and sharp curves. There is no detailed information available on bottlenecks or major bridges.

END OF REPORT ON ROUTE 95X

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[illegible] NORTH VIETNAM — [illegible] — 1 September 1961 Early 1961

[illegible]	OVERLAY ANNOTATION NUMBER	[illegible] ITEM	DESCRIPTION	[illegible] LENGTH	DESCRIPTION

ROUTE 105J (AMS SERIES L500 SHEET NF 48-7) XK 5460 TO XL 3006 (CAO BANG)

This section of Route 105J averages 4.[illegible] meters in width; is of improved natural earth, and is in poor to fair condition. It has numerous sharp curves and steep grades. Bottlenecks listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XK 5459	29	Ferry	80 m. crossing	
XK 5361	30	Bridge	[redacted] wide	25X1D
XK 4877	31	Bridge	[redacted] wide	
XK 4880	32	Bridge	3 m. wide	
XK 3790	33	Bridge	[redacted] wide	
XK 3790	34	Bridge	[redacted] wide	25X1D
XL 3302	35	Bridge	[redacted] wide	
XL 3204	36	Bridge	[redacted] wide	
XL 3105	37	Bridge	[redacted] wide	

END OF REPORT ON ROUTE 105J

ROUTE 105K (AMS SERIES L500 SHEET NF 48-7) XL 3006 (CAO BANG) TO XL 5419

This section of Route 105K, from XL 3006 (CAO BANG) to XL 3814, averages [illegible] meters in width; has a gravel surface, and is in poor to fair condition. From XL 3814 to XL 5419 it averages [illegible] meters in width; is of improved natural earth, and is in poor condition. Bottlenecks and major bridges listed below are referenced to the AMS Map Sheet by UTM Grid Coordinates, and to the overlay by annotation number.

XL 3007	38			1[illegible] m.	4 [illegible]	[redacted] wide
XL 3008	39	Culvert	[redacted] wide			
XL 3111	40	Culvert	[redacted] wide			
XL 3212	41	Bridge	[redacted] wide			
XL 3411	42	Bridge	[redacted] wide			25X1D
XL 3411	43	Culvert	[redacted] wide			
XL 3612	44	Culvert	[redacted] wide			
XL 3612	45	Culvert	[redacted] wide			
XL 3614	46	Bridge	[redacted] wide			
XL 4012	47	Bridge	[redacted] wide			
XL 5218	48	Bridge	[redacted] wide			

END OF REPORT ON ROUTE 105K

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS EXCEPT NONE

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